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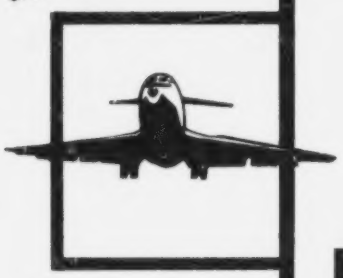

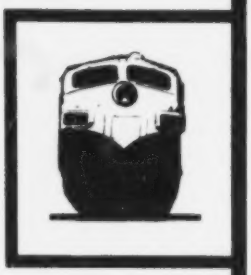

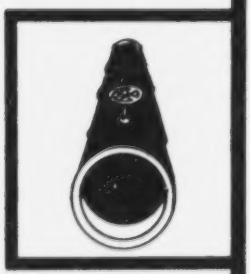

NATIONAL TRANSPORTATION SAFETY BOARD

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BRIEFS OF ACCIDENTS INVOLVING TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION 1979

NTSB-AMM-81-3

UNITED STATES GOVERNMENT

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16. Abstract

This publication contains reports of U.S. general aviation turbine powered aircraft accidents occurring in 1979. Included are 171 accident Briefs, 36 of which involve fatal accidents. The brief format presents the facts, conditions, circumstances, and probable cause(s) for each accident. Additional statistical information is tabulated by type of accident, phase of operation, injury index, aircraft damage, pilot certificate, injuries and cause/factor(s). This publication will be published annually.

17. Key Words	18. Distribution Statement
Aviation accidents, turbine powered aircraft accidents, U.S. general aviation, probable cause(s)/factor(s), type of accidents, phase of operation, kind of flying, aircraft damage, injuries, pilot data.	This document is available to the public through the National Technical Information Service, Springfield, Virginia, 22151

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FOREWORD

This publication contains reports of U.S. General Aviation turbine powered aircraft accidents in Brief format arranged in order by state and date of occurrence. It also lists these accidents in make/model sequence. In addition, information is presented in several statistical tables which tabulate and summarize selected accident information, such as injuries, a 10 year tabulation of U.S. General Aviation accidents involving turbine powered aircraft, emergency locator transmitter operation and use, hours in type, kind of flying, type of accident, phase of operation and causes and related factors.

In 1979, U.S. turbine powered aircraft were involved in 171 accidents, 36 of which were fatal. In comparison, the entire General Aviation fleet incurred 4,023 total accidents and 678 fatal accidents.

	Hours Flown 1/	Total Accidents	Total Accident Rate 2/	Fatal Accidents	Fatal Accident Rate 2/
Total - U.S. General Aviation	43,340,081	4,023	9.28	678	1.56
U.S. General Aviation Accidents Involving Turbine Powered Aircraft	4,793,860	171	3.57	36	0.75

1/ Source: Federal Aviation Administration

2/ The accident rates are per 100,000 hours flown.

The enclosed computer briefs are the reports of the National Transportation Safety Board and thereby subject to the limitations of 49 USC 1441(e) which states:

> "No part of any report or reports of the Board, relating to any accident or the investigation thereof, shall be admitted as evidence or used in any suit or action for damages growing out of any matter mentioned in such report or reports."

In reading these reports, it should be borne in mind that they are produced directly from coded records on magnetic tape by electronic data processing equipment. Also, in reading the text, it must be borne in mind that computer language is utilized, thus requiring a number of abbreviations due to spacing limitations. Caution should be exercised in reading the Briefs of Accidents, especially those containing abbreviations in phrases and sentences.

Collisions between aircraft are treated as one accident. A coded analysis is done on each aircraft involved in a collision. This produces two aircraft accident records per accident. Consequently, when compiling information on accidents involving collisions between aircraft, the number of accident records will exceed the number of accidents.

The Briefs of Accidents contain the essential information which fulfill most requirements of persons using these reports. However, for those having a need for more detailed information, the original factual reports are on file in the Washington Office of the National Transportation Safety Board. Upon request, these reports will be reproduced commercially for a fee to cover reproduction and postage. The cost will be assessed per printed page and photograph(s) reproduced.

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Public Inquiries Section (AD-46)
Washington, D.C. 20594

EXPLANATORY NOTES

U.S. GENERAL AVIATION

U.S. general aviation refers to the operations of U.S. civil aircraft owned and operated by persons, businesses, corporations, etc., excluding the operations of U.S. air carriers.

U.S. AIR CARRIER

U.S. air carrier operations include the following three operational categories: 1) certificated route air carriers 2) supplemental air carriers and 3) commercial operators of large aircraft.

DEFINITIONS

The following definitions contained in CFR 49, Part 830, paragraph 830.2 apply when used in this publication.

Aircraft Accident
An occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, and in which any person suffers death or serious injury as a result of being in or upon the aircraft or by direct contact with the aircraft or anything attached thereto, or in which the aircraft receives substantial damage.

Fatal Injury
Any injury which results in death within 30 days of the accident.

Serious Injury
Any injury which 1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; 2) results in a fracture of any bone (except simple fractures of fingers, toes, or nose); 3) involves lacerations which cause severe hemorrhages, nerve, muscle, or tendon damage; 4) involves injury to any internal organ; or 5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

Substantial Damage
1) Except as provided in subparagraph (2) of this paragraph, substantial damage means damage or structural failure which adversely affects the structural strength, performance, or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component. 2) Engine failure, damage limited to an engine, bent fairings or cowling, dented skin, small punctured holes in the skin or fabric, ground damage to rotor or propeller blades, damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wingtips are not considered "substantial damage" for the purpose of this part.

EXPLANATORY NOTES

INJURY INDEX

Injury index refers to the highest degree of personal injury sustained as a result of the accident.

TYPE OF ACCIDENT

Type of accident relates to the immediate circumstances of the occurrence. Many accidents involve a series of circumstances and therefore require a second type to more fully describe the sequence of events. Some examples of types of accidents are as follows:

Gear Collapsed
: Collapse of the landing gear due to mechanical failure other than malfunction of the retracting mechanism.

Gear Retracted
: Retraction of the landing gear due to malfunction or failure of the retracting mechanism or to inadvertent retraction by the crew. Excludes intentional gear retraction and wheels-up landing.

Airframe Failure
: Occurrences resulting from failure of any part of the airframe while in flight or in motion on the ground. Excludes failure resulting from contact with another airplane or object, or impact with the ground, or damage from landing gear collapse or retraction.

Engine Failure/Malfunction
: Occurrences of engine failure or malfunction for any reason. Includes engine stoppage, power interruption, or power loss, actual or simulated.

PHASE OF OPERATION

The phase of operation relates to the particular segment of the flight or operation during which the circumstances of the accident occur.

KIND OF FLYING

Refers to the purpose for which the aircraft is being operated at the time of the accident. There are four broad categories of kind of flying.

1. Instructional Flying
   Refers to flying accomplished in supervised training under the direction of an accredited instructor.

EXPLANATORY NOTES

KIND OF FLYING

2. Noncommerical Flying
Refers to the use of an aircraft for purposes of pleasure, personal transportation or in connection with a private business, in corporate/executive operations, and in other operations, wherein there is no direct monetary fee charged. It includes the following categories.

Pleasure
Flying by individuals in their own or rented aircraft for pleasure, or personal transportation not in furtherance of their occupation or company business.

Business
The use of aircraft by pilots (not receiving direct salary or compensation for piloting) in connection with their occupation or in the furtherance of a private business.

Corporate/Executive Operations
The use of aircraft owned or leased and operated by a corporation or business firm for the transportation of personnel or cargo in furtherance of the corporation's or firm's business, and which are flown by professional pilots receiving a direct salary or compensation for piloting.

3. Commercial Flying
Commercial flying includes all general aviation flying normally conducted for direct financial return, except instructional flying. It includes air taxi operations, aerial application, fire control, aerial mapping or photography, aerial advertising, power/pipeline patrol and fish spotting.

4. Miscellaneous Flying
Includes other kinds of flying not covered under the other three broad categories. In some instances the criterion of direct financial return may or may not be present.

COLLISION BETWEEN AIRCRAFT

Collisions between aircraft are so classified only when both aircraft are occupied. This includes collisions wherein both aircraft are airborne (midair); one is airborne, the other on the ground; and both are on the ground. A collision with a parked, unoccupied aircraft is classified under the broad category of collision with objects (parked, unoccupied aircraft).

EXPLANATORY NOTES

CAUSES AND RELATED FACTORS

In determining probable cause(s) of an accident, all facts, conditions, and circumstances are considered. The object is to ascertain those cause-effect relationships in the accident sequence about which something can be done to prevent recurrence of the type of accident under consideration. Accordingly, for statistical purposes where two or more causes exist in an accident, each is recorded and no attempt is made to establish a primary cause. Therefore, in the Cause and Related Factor Table, the figures shown in the columns dealing with Cause will exceed the total number of accidents. The term Factor is used, in general, to denote those elements of an accident which further explain or supplement the probable cause(s). This provision was incorporated in the coding system to increase its flexibility and to provide a means for collecting essential items of information which could not be categorized elsewhere in the system.

AIRCRAFT WEIGHT CATEGORIES

The International Civil Aviation Organization's categories of aircraft weight are utilized to classify accident data as follows:

0 - 2,250 kilograms	(0 - 4,960 pounds)
2,251 - 5,700 kilograms	(4,961 - 12,565 pounds)
5,701 - 27,000 kilograms	(12,566 - 59,525 pounds)
27,001 - 272,000 kilograms	(59,526 - 599,650 pounds)
272,001 - kilograms and greater	(599,651 pounds and greater)

SMALL FIXED-WING AIRCRAFT

Fixed-wing aircraft which have a maximum gross takeoff weight of 5700 kilograms (12,565 pounds), or less.

LARGE FIXED-WING AIRCRAFT

Fixed-Wing aircraft which have a maximum takeoff weight greater than 5,700 kilograms (12,565 pounds).

ROTORCRAFT

Aircraft which in all usual flight attitudes are supported in the air wholly or in part by a rotor or rotors; i.e., by airfoils rotating or revolving about an axis.

TYPES OF WEATHER CONDITIONS

The types of weather conditions (VFR/IFR) are determined in accordance with the prescribed minima in Part 91 of the Federal Aviation Regulations. These minima pertain to the ceiling and visibility, in conjunction with the type of airspace, at the accident site. Type of weather conditions are based on surface weather as determined from officially recognized sources. Weather conditions encountered in flight are not necessarily representative of the classifications VFR/IFR as carried under Type of Weather Conditions.

LIST OF ABBREVIATIONS USED IN BRIEFS

ABBREVIATION	MEANING
AERIAL ADVERTISE	AERIAL ADVERTISING
ATR,FLIGHT INSTR.	AIRLINE TRANSPORT INSTRUCTOR
AIR SHOW/RACING	AIR SHOW/AIR RACING
AIR TAXI-CARGO	AIR TAXI-CARGO OPERATIONS
AIR TAXI-PASSG	AIR TAXI-PASSENGER OPERATIONS
APPROACH CTL-DEPARTURE	APPROACH CONTROL-DEPARTURE
APR CTL-TOW ENRT CTL SRV	APPROACH CONTROL-TOWER EN ROUTE CONTROL SERVICE
ASSOC CROP CTL ACTIVITIES	ASSOCIATED CROP CONTROL ACTIVITIES
ASSOC FIRE CTL ACTIVITIES	ASSOCIATED FIRE CONTROL ACTIVITIES
COMMERCIAL,FLIGHT.INSTR.	COMMERCIAL FLIGHT INSTRUCTOR
CORP/EXEC	CORPORATION/EXECUTIVE
CR-	CREW
CTR CARGO-D	CONTRACT/CHARTER-CARGO-DOMESTIC
CTR CARGO-I	CONTRACT/CHARTER-CARGO-INTERNATIONAL
CTR PASSG-D	CONTRACT/CHARTER-PASSENGER-DOMESTIC
CTR PASSG-I	CONTRACT/CHARTER-PASSENGER-INTERNATIONAL
LAST ENROUTE STOP	LAST PLANNED EN ROUTE LANDING POINT
MAPPING/PHOTO	AERIAL MAPPING/PHOTOGRAPHY
MIL CONTRACT CARGO INTL	MILITARY CONTRACT-CARGO-INTERNATIONAL
MIL CONTRACT PASS6 INTL	MILITARY CONTRACT-PASSENGER-INTERNATIONAL
MILITARY CTR CARGO DOM	MILITARY CONTRACT-CARGO-DOMESTIC
MILITARY CTR PASSG DOM	MILITARY CONTRACT-PASSENGER-DOMESTIC
MIL/CTR CARGO	MILITARY CONTRACT-CARGO
MIL/CTR PASSG	MILITARY CONTRACT-PASSENGER
NR.	NEAR
NS CTR CARGO	NONSCHEDULED/CHARTER REVENUE CARGO-INTRA-STATE
NS CTR PASSG	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE
NS/CTR REVENUE CARGO DOM	NONSCHEDULED/CHARTER REVENUE CARGO-DOMESTIC
NS/CTR REVENUE CARGO INTL	NONSCHEDULED/CHARTER REVENUE CARGO-INTERNATIONAL
NS/CTR REVENUE PASSG DOM	NONSCHEDULED/CHARTER REVENUE PASSENGER-DOMESTIC
NS/CTR REVENUE PASSG INTL	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTERNATL
OT-	OTHER AIRCRAFT AND GROUND
PARAJUMP	PARACHUTE JUMP
PRIVATE,FL.INST R.	PRIVATE FLIGHT INSTRUCTOR
PX-	PASSENGERS
RADAR CTL/SURVEILLANCE	RADAR CONTROL/SURVEILLANCE
SCHED CARGO SRV	SCHEDULED CARGO SERVICE
SCHED DOM CARGO SRV	SCHEDULED DOMESTIC CARGO SERVICE
SCHED DOM PASSG SRV	SCHEDULED DOMESTIC PASSENGER SERVICE
SCHED INTERNATL CARGO SRV	SCHEDULED INTERNATIONAL CARGO SERVICE
SCHED INTERNATL PASSG SRV	SCHEDULED INTERNATIONAL PASSENGER SERVICE
SCHED PASSG SRV	SCHEDULED PASSENGER SERVICE
S-D	SCHEDULED-DOMESTIC
S-I	SCHEDULED-INTERNATIONAL
UNK/NR	UNKNOWN/NOT REPORTED

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Turbine Powered Accidents
U.S. General Aviation
1970 - 1979

Year	Turbine Powered Hours Flown 1/	Total Accidents	Total Accident Rate 2/	Fatal Accidents	Fatal Accident Rate 2/	Fatalities
1970	1,759,000	116	6.59	24	1.36	55
1971	1,803,000	82	4.54	16	0.88	115
1972	1,925,000	115	5.97	32	1.66	117
1973	2,344,000	102	4.35	24	1.02	60
1974	2,735,000	100	3.65	26	0.95	73
1975	3,011,000	110	3.65	26	0.86	92
1976	3,300,000	109	3.30	30	0.90	88
1977	3,973,000	129	3.25	37	0.93	131
1978	4,221,770	157	3.72	43	1.02	110
1979	4,793,860	171	3.57	36	0.75	78

1/ Source: Federal Aviation Administration

2/ Accident Rates per 100,000 hours flown.

ACCIDENTS, INJURIES
U.S. GENERAL AVIATION

TURBINE POWERED AIRCRAFT

1979

	INJURIES					
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	TOTAL
PILOT	27	16	28	100		171
COPILOT	11	2	3	19		35
DUAL STUDENT		1		2		3
CHECK PILOT		1				1
FLIGHT ENGINEER			1	2		3
NAVIGATOR						
CABIN ATTENDANT				2		2
EXTRA CREW	2	1				3
PASSENGERS	35	15	37	167		254
TOTAL	75	36	69	292	ABOARD	472
* OTHER AIRCRAFT	1			3		4
OTHER GROUND	2	2	2	2		8
GRAND TOTAL	78	38	71	297		484

INVOLVES 171 TOTAL ACCIDENTS
INVOLVES 36 FATAL ACCIDENTS

* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

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ANALYTIC TABLE

HOURS IN TYPE BY PILOT CERTIFICATE

HOURS IN TYPE	PILOT CERTIFICATE: STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/FL. INSTR.	COMMERCIAL/FL. INSTR.	ATR/FL. INSTR.	OTHER	NONE	UNKNOWN/NOT REPORTED	RECORDS	ACCIDENTS	PERCENT
0 - 5		1					1				2	2	1.17
6 - 10			3	1			1				5	5	2.92
11 - 20			3			1					4	4	2.34
21 - 50		1	4	1			2				8	8	4.68
51 - 100		1	7	3		2					13	13	7.60
101 - 300		5	15	8		3	2				33	33	19.30
301 - 500		1	8	6		4	5				24	24	14.04
501 - 1000			23	6		3	6				38	38	22.22
1001 - 2000			9	6		3	2				20	20	11.70
2001 - 3000			1	4		1	3				9	9	5.26
3001 -		1	4	3			1				9	9	5.26
UNKNOWN/NOT REPORTED													
OTHER			2	1		1			1	1	6	6	3.51
RECORDS		10	79	39		18	23		1	1	171		
ACCIDENTS		10	79	39		18	23		1	1		171	
PERCENTS		5.8	46.2	22.8		10.5	13.5		.6	.6			

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ANALYTIC TABIE

KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE										RECORDS	ACCIDENTS	PERCENT
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED			
INSTRUCTIONAL													
DUAL							2				2	2	1.17
SOLO													
CHECK							1				1	1	.58
TRAINING						1					1	1	.58
NONCOMMERCIAL													
PLEASURE		4	3	4		1					12	12	7.02
PRACTICE		1	4				1				6	6	3.51
BUSINESS		3	7	3		1	1				15	15	8.77
CORPORATE/EXECUTIVE			10	8		1	8			1	28	28	16.37
AERIAL SURVEY			3								3	3	1.75
COMPANY FLIGHT													
OTHER									1		1	1	.58
COMMERCIAL													
AERIAL APPLICATION			7			2					9	9	5.26
CROP CONTROL RELATED FLIGHT			3	1							4	4	2.34
FIRE CONTROL													
FIRE CONTROL RELATED FLIGHT													
AERIAL MAPPING/PHOTOGRAPHY			2				1				3	3	1.75
AERIAL ADVERTISING													
POWER AND PIPELINE PATROL				1							1	1	.58
FISH SPOTTING													
AIR TAXI-PASSENGER OPERATIONS			15	9		2	5				31	31	18.13
AIR TAXI-CARGO OPERATIONS			2	5		1	2				10	10	5.85
CONSTRUCTION WORK			4	1		1					6	6	3.51
SCHEDULED PASSENGER SERVICE													
SCHEDULED CARGO SERVICE													
INTRA-STATE CHARTER PASSG.													
INTRA-STATE CHARTER CARGO.													
MILITARY CONTRACT-PASSENGER													
MILITARY CONTRACT-CARGO													
CHARTER CARGO-DOMESTIC			2			2					4	4	2.34
CHARTER PASSG-DOMESTIC						1	1				2	2	1.17
CHARTER-CARGO-INTERNATIONAL						1					1	1	.58
CHARTER-PASSG-INTERNATIONAL													
OTHER			6	1		1					8	8	4.68

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ANALYTIC TABLE

KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE: STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED	RECORDS	ACCIDENTS	PERCENT
UNKNOWN/NOT REPORTED													
MISCELLANEOUS													
EXPERIMENTATION				1							1	1	.58
TEST	1	8	3			1					13	13	7.60
DEMONSTRATION					1						1	1	.58
FERRY		3	1								4	4	2.34
SEARCH AND RESCUE													
AIR SHOW/AIR RACING													
PARACHUTE JUMP													
PARACHUTE JUMP-AIR SHOW													
TOWING GLIDERS													
SEEDING CLOUDS													
HUNTING													
POLICE PATROL	1				1						2	2	1.17
HIGHWAY TRAFFIC ADVISORY													
ALL OTHER PUBLIC FLYING				1							1	1	.58
OTHER													
UNKNOWN/NOT REPORTED					1						1	1	.58
RECORDS	10	79	39		18	23		1	1		171		
ACCIDENTS	10	79	39		18	23		1	1			171	
PERCENTS	5.8	46.2	22.8		10.5	13.5		.6	.6				

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ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE: DESTROYED	SUBSTANTIAL	MINOR	NONE	RECORDS	ACCIDENTS	PERCENT
GROUND-WATER LOOP-SWERVE	4	8			12	12	7.02
DRAGGED WINGTIP POD OR FLOAT		1			1	1	.58
WHEELS-UP LANDING		4			4	4	2.34
WHEELS-DOWN LANDING IN WATER							
GEAR COLLAPSED		2			2	2	1.17
GEAR RETRACTED		2	1		3	3	1.75
HARD LANDING	3	11			14	14	8.19
NOSE OVER/DOWN	1				1	1	.58
ROLL OVER		6			6	6	3.51
OVERSHOOT		1			1	1	.58
UNDERSHOOT	1	1			2	2	1.17
COLLISION BETWEEN AIRCRAFT							
BOTH IN FLIGHT	1				1	1	.58
ONE AIRBORNE							
BOTH ON GROUND	1				1	1	.58
COLLISION WITH GROUND/WATER							
CONTROLLED	5	4			9	9	5.26
UNCONTROLLED	8	2			10	10	5.85
COLLIDED WITH							
WIRES/POLES	3	7			10	10	5.85
TREES	2	1			3	3	1.75
RESIDENCE/S							
BUILDING/S	1				1	1	.58
FENCE, FENCEPOSTS	1	2			3	3	1.75
ELECTRONIC TOWERS							
RUNWAY OR APPROACH LIGHTS		1			1	1	.58
AIRPORT HAZARD							
ANIMALS	1				1	1	.58
CROP							
FLAGMAN LOADER			1		1	1	.58
DITCHES							
SNOWBANK		3			3	3	1.75
PARKED AIRCRAFT (UNATTENDED)							
AUTOMOBILE							
DIRT BANK							
OTHER	1	7			8	8	4.68

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ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	DESTROYED	SUBSTANTIAL	MINOR	NONE	RECORDS	ACCIDENTS	PERCENT
BIRD STRIKE	1				1	1	.58
STALL	1				1	1	.58
SPIN	1				1	1	.58
SPIRAL							
MUSH		2			2	2	1.17
FIRE OR EXPLOSION							
IN FLIGHT	1				1	1	.58
ON GROUND							
AIRFRAME FAILURE							
IN FLIGHT	3	4			7	7	4.09
ON GROUND		1			1	1	.58
ENGINE TEARAWAY							
ENGINE FAILURE OR MALFUNCTION	10	34			44	44	25.73
PROPELLER/ROTOR FAILURE							
PROPELLER							
TAIL ROTOR	1	4			5	5	2.92
MAIN ROTOR	1	2			3	3	1.75
PROP ROTOR ACCNT TO PERSON		1			1	1	.58
JET INTAKE/EXH ACCNT TO PERS							
PROPELLER/JET/ROTOR BLAST							
TURBULENCE	1				1	1	.58
HAIL DAMAGE TO AIRCRAFT							
LIGHTNING STRIKE							
EVASIVE MANEUVER							
UNCONTROLLED ALT DEVIATION							
DITCHING							
MISSING ACFT NOT RECOVERED							
MISCELLANEOUS/OTHER		4	1		5	5	2.92
UNDETERMINED							
RECORDS	53	115	3		171		
ACCIDENTS	53	115	3			171	
PERCENTS	31.0	67.3	1.8				

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ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE	FATAL	SERIOUS	MINOR	NONE	RECORDS	ACCIDENTS	PERCENT
STATIC							
STARTING ENGINE/S				1	1	1	.58
IDLING ENGINE/S	1				1	1	.58
ENGINE RUNUP							
IDLING ROTORS							
PARKED-ENGINES NOT OPERATING							
OTHER							
TAXI							
TO TAKEOFF							
FROM LANDING			1	2	3	3	1.75
OTHER			1		1	1	.58
GROUND TAXI TO TAKEOFF							
GROUND TAXI FROM LANDING							
GROUND TAXI, OTHER							
AERIAL TAXI TO TAKEOFF				1	1	1	.58
AERIAL TAXI TO/FROM LANDING				2	2	2	1.17
AERIAL TAXI, OTHER		1		2	3	3	1.75
TAKEOFF							
RUN	1	1		3	5	5	2.92
INITIAL CLIMB	1		3	8	12	12	7.02
VERTICAL	1	3	3	3	10	10	5.85
RUNNING (ROTORCRAFT/VTOL-STOL)							
ABORTED (FIXED-WING)			1	1	2	2	1.17
ABORTED (ROTORCRAFT/VTOL)							
ABORTED (ROTORCRAFT/STOL)							
OTHER							
INFLIGHT							
CLIMB TO CRUISE			3	1	4	4	2.34
NORMAL CRUISE	7	5	7	16	35	35	20.47
DESCENDING				1	1	1	.58
HOLDING (IFR)							
HOVERING	3	2	3	5	13	13	7.60
POWER-ON DESCENT (ROTORCRAFT)							
AUTOROTATIVE DESCENT	1			1	2	2	1.17
ACROBATICS							
BUZZING							

BEST DOCUMENT AVAILABLE

ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE	FATAL	SERIOUS	MINOR	NONE	RECORDS	ACCIDENTS	PERCENT
UNCONTROLLED DESCENT	4				4	4	2.34
EMERGENCY DESCENT							
LOW PASS	1			1	2	2	1.17
OTHER	3			2	5	5	2.92
EN ROUTE TO TREAT CROP							
EN ROUTE TO RELOADING AREA							
SURVEY FIELD/AREA							
STARTING SWATH RUN	1				1	1	.58
SWATH RUN			2	1	3	3	1.75
FLAREOUT FOR SWATH RUN	1			1	2	2	1.17
PULLUP FROM SWATH RUN							
PROCEDURE TURNAROUND		1		1	2	2	1.17
CLEANUP SWATH				1	1	1	.58
MANEUVER TO AVOID OBSTRUCTION							
RETURN TO STRIP							
LANDING							
TRAFFIC PATTERN-CIRCLING	2				2	2	1.17
FINAL APPROACH (VFR)	1		[redacted]	3	5	5	2.92
INITIAL APPROACH	1				1	1	.58
FINAL APPROACH (IFR)	2			2	4	4	2.34
LEVEL OFF/TOUCHDOWN	1	4	2	9	16	16	9.36
ROLL (FIXED WING)			1	11	12	12	7.02
ROLL-ON/RUN-ON (ROTORCRAFT)							
POWER-ON LANDING (ROTORCRAFT)	1	1	2	3	7	7	4.09
POWER-OFF AUTOROTATIVE LDG		1		4	5	5	2.92
GO-AROUND (VFR)	3				3	3	1.75
MISSED APPROACH (IFR)							
OTHER							
UNKNOWN/NOT REPORTED							
RECORDS	36	10	30	86	171		
ACCIDENTS	36	10	30	86		171	
PERCENTS	21.1	11.1	17.5	50.3			

BEST DOCUMENT AVAILABLE

CAUSE/FACTOR TABLE

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION ACCIDENTS
1979

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 171 TOTAL ACCIDENTS

INVOLVES 36 FATAL ACCIDENTS

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
BROAD CAUSE/FACTOR	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*
PILOT	29 80.56	7 19.44	30 83.33	78 57.78	8 5.93	81 60.00	107 62.57	15 8.77	111 64.91
PERSONNEL	2 5.56	5 13.89	7 19.44	17 12.59	5 3.70	22 16.30	19 11.11	10 5.85	29 16.96
AIRFRAME	.00	1 2.78	1 2.78	2 1.48	.00	2 1.48	2 1.17	1 .58	3 1.75
LANDING GEAR	.00	.00	.00	8 5.93	.00	8 5.93	8 4.68	.00	8 4.68
POWERPLANT	3 8.33	1 2.78	4 11.11	31 22.96	2 1.48	32 23.70	34 19.88	3 1.75	36 21.05
SYSTEMS	.00	.00	.00	3 2.22	1 .74	4 2.96	3 1.75	1 .58	4 2.34
INSTRUMENTS/EQUIPMENT & ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROTORCRAFT	3 8.33	.00	3 8.33	9 6.67	.00	9 6.67	12 7.02	.00	12 7.02
AIRPORT/AIRWAYS/FACILITIES	.00	1 2.78	1 2.78	2 1.48	11 8.15	13 9.63	2 1.17	12 7.02	14 8.19
WEATHER	.00	12 33.33	12 33.33	.00	16 11.85	16 11.85	.00	28 16.37	28 16.37
TERRAIN	.00	3 8.33	3 8.33	2 1.48	23 17.04	25 18.52	2 1.17	26 15.20	28 16.37
MISCELLANEOUS	3 8.33	.00	3 8.33	6 4.44	1 .74	7 5.19	9 5.26	1 .58	10 5.85
UNDETERMINED	2 5.56	.00	2 5.56	4 2.96	.00	4 2.96	6 3.51	.00	6 3.51

THE FIGURES OPPOSITE EACH CAUSAL CATEGORY REPRESENT THE NUMBER AND PERCENT OF ACCIDENTS IN WHICH THAT PARTICULAR CAUSAL CATEGORY WAS ASSIGNED

* IF AN ACCIDENT INCLUDES BOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

BEST DOCUMENT AVAILABLE

CAUSE/FACTOR TABLE

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION ACCIDENTS
1979

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 171 TOTAL ACCIDENTS

INVOLVES 34 FATAL ACCIDENTS

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **									
PILOT IN COMMAND									
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL				1		1	1		1
BECAME LOST/DISORIENTED				1		1	1		1
CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS	3		3	1		1	4		4
DELAYED ACTION IN ABORTING TAKEOFF				2		2	2		2
DELAYED IN INITIATING GO-AROUND				1		1	1		1
DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT				2		2	2		2
EXCEEDED DESIGN STRESS LIMITS OF AIRCRAFT	1		1				1		1
FAILED TO EXTEND LANDING GEAR				2		2	2		2
FAILED TO SEE AND AVOID OTHER AIRCRAFT	1		1				1		1
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	1		1	7		7	8		8
FAILED TO OBTAIN/MAINTAIN FLYING SPEED	2		2	3		3	5		5
MISJUDGED, SPEED, ALTITUDE OR CLEARANCE				1		1	1		1
FAILED TO MAINTAIN ADEQUATE ROTOR RPM	2		2	3		3	5		5
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT		1	1	1		1	1	1	2
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES ETC	2		2	4		4	6		6
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS				2		2	2		2
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				3		3	3		3
IMPROPER OPERATION OF FLIGHT CONTROLS	1		1	1		1	2		2
PREMATURE LIFT OFF				1		1	1		1
IMPROPER LEVEL OFF				4		4	4		4
IMPROPER IFR OPERATION	3		3	2		2	5		5
IMPROPER IN-FLIGHT DECISIONS OR PLANNING	2		2	2		2	4		4
IMPROPER COMPENSATION FOR WIND CONDITIONS				1	1	2	1	1	2
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	4		4	10	1	11	14	1	15
INADEQUATE SUPERVISION OF FLIGHT	2		2	1		1	3		3
LACK OF FAMILIARITY WITH AIRCRAFT	1	3	4				1	3	4
MISMANAGEMENT OF FUEL	1		1	7		7	8		8
EXERCISED POOR JUDGMENT	2		2	1		1	3		3
OPERATED CARELESSLY				1		1	1		1
SELECTED UNSUITABLE TERRAIN				5		5	5		5
IMPROPER STARTING PROCEDURES				1		1	1		1
INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS	1		1	1		1	2		2
CONTROL INTERFERENCE	1		1				1		1
SPONTANEOUS-IMPROPER ACTION	1	1	2	1		1	2	1	3
MISJUDGED DISTANCE AND SPEED				1	1	2	1	1	2
MISJUDGED DISTANCE AND ALTITUDE				5		5	5		5
MISJUDGED SPEED AND ALTITUDE				4		4	4		4
MISJUDGED ALTITUDE AND CLEARANCE	1		1	1		1	2		2
MISJUDGED ALTITUDE	1		1	3	1	4	4	1	5
MISJUDGED CLEARANCE	3		3	9		9	12		12
IMPROPER RECOVERY FROM ADVANCED LANDING	1		1	1		1	2		2
PHYSICAL IMPAIRMENT	1	2	3				1	2	3
SPATIAL DISORIENTATION	3		3				3		3
LEFT AIRCRAFT UNATTENDED ENGINE RUNNING				1		1	1		1
FAILED TO MAINTAIN DIRECTIONAL CONTROL	1		1	6		6	7		7
SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND					1	1		1	1
FAILED TO ABORT TAKEOFF	1		1				1		1
FAILED TO INITIATE GO-AROUND				3	1	4	3	1	4
SUBTOTAL	43	7	50	107	6	113	150	13	163
COPILOT									
BECAME LOST/DISORIENTED					1	1		1	1
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC					1	1		1	1
IMPROPER OPERATION OF FLIGHT CONTROLS	1		1				1		1
MISJUDGED DISTANCE AND ALTITUDE	1		1				1		1
MISUSED OR FAILED TO USE FLAPS	1		1				1		1
SUBTOTAL	3		3		2	2	3	2	5

BEST DOCUMENT AVAILABLE

DUAL STUDENT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
DUAL STUDENT									
INADVERTENTLY RETRACTED GEAR				1		1	1		1
MISJUDGED CLEARANCE				1		1	1		1
SUBTOTAL				2		2	2		2
** PERSONNEL **									
RULES, REGULATIONS, STANDARDS PERSONNEL									
FLIGHT INSTRUCTOR									
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE(MAINTENANCE PERSONNEL)				4		4	4		4
INADEQUATE INSPECTION OF AIRCRAFT(MAINTENANCE PERSONNEL)		1	1					1	1
INADEQUATE MAINTENANCE AND INSPECTION				9	1	10	9	1	10
OPERATIONAL SUPERVISORY PERSONNEL									
DEFICIENCY, COMPANY MAINTAINED EQMT, SERV, REGULATIONS		1	1	1		1	1	1	2
WEATHER PERSONNEL									
INADEQUATE/INCORRECT WEATHER BRIEFING		1	1					1	1
TRAFFIC CONTROL PERSONNEL									
ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS	1		1	1		1	2		2
INADEQUATE SPACING OF AIRCRAFT	1		1				1		1
AIRPORT SUPERVISORY PERSONNEL									
FAILURE TO NOTIFY OF UNSAFE COND/AND OR FAILURE TO MARK					1	1		1	1
IMPROPER/INADEQUATE SNOW REMOVAL					2	2		2	2
AIRWAYS FACILITIES PERSONNEL									
FAILURE TO ISSUE NOTAM					1	1		1	1
PRODUCTION-DESIGN-PERSONNEL									
POOR/INADEQUATE DESIGN		1	1	1		1	1	1	2
OTHER		1	1	1		1	1	1	2
MISCELLANEOUS-PERSONNEL									
PILOT OF OTHER AIRCRAFT	1		1				1		1
GROUND SIGNALMAN					1	1		1	1
GROUND CREWMAN					1	1		1	1
PASSENGER	1		1				1		1
THIRD PILOT									
FLIGHT ENGINEER									
FLIGHT PERSONNEL									
DISPATCHING (AIR CARRIER ONLY)									
SUBTOTAL	4	5	9	17	7	24	21	12	33
** AIRFRAME **									
WINGS									
SPARS		1	1					1	1
FUSELAGE									
WINDSHIELDS, WINDOWS, CANOPIES				1		1	1		1
OTHER				1		1	1		1
LANDING GEAR									
MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC				2		2	2		2
NORMAL RETRACTION/EXTENSION ASSEMBLY				5		5	5		5
EMERGENCY/EXTENSION ASSEMBLY				1		1	1		1
WHEELS, TIRES, AXLES				1		1	1		1
FLIGHT CONTROL SURFACES									
HORIZONTAL STABILIZER, ATTACHMENTS		1	1					1	1
SUBTOTAL		2	2	11		11	11	2	13
** POWERPLANT **									
ENGINE STRUCTURE									
IGNITION SYSTEM									
FUEL SYSTEM									
LINES AND FITTINGS				1		1	1		1
FILTERS, STRAINERS, SCREENS				2		2	2		2
PUMPS				2		2	2		2
OTHER				1		1	1		1
LUBRICATING SYSTEM									
LINES, HOSES, FITTINGS				1		1	1		1
COOLING SYSTEM									
PROPELLER AND ACCESSORIES									
EXHAUST SYSTEM									
ENGINE ACCESSORIES									
ENGINE CONTROLS									
POWERPLANT-INSTRUMENTS									
FUEL QUANTITY GAUGE		1	1					1	1

BEST DOCUMENT AVAILABLE

CAUSE/FACTOR TABLE

POWERPLANT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
OTHER					1	1		1	1
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS	1		1	9		9	10		10
FOREIGN OBJECT DAMAGE				2		2	2		2
REDUCTION GEAR ASSEMBLY									
COMPRESSOR ASSEMBLY									
BLADE, COMPRESSOR ROTOR				1		1	1		1
BEARING, ROTOR SHAFT	1		1				1		1
SHAFT, ROTOR				1		1	1		1
COMBUSTION ASSEMBLY									
TURBINE ASSEMBLY									
WHEEL, TURBINE				1		1	1		1
BLADE, TURBINE WHEEL				2		2	2		2
SEALS, AIR-OIL				1		1	1		1
BEARING, SHAFT				2		2	2		2
ACCESSORY DRIVE ASSEMBLY									
LUBRICATING SYSTEM									
OTHER				1		1	1		1
FUEL SYSTEM									
PUMP, FUEL				2		2	2		2
FUEL CONTROL				4		4	4		4
OTHER				1		1	1		1
SAFETY SYSTEM									
IGNITION SYSTEM									
TORQUEMETER									
AIR BLEED									
EXHAUST SYSTEM									
THRUST REVERSER									
PROPELLER SYSTEM									
CONTROL UNIT, PCV					1	1		1	1
OTHER	1		1				1		1
CONSTANT SPEED DRIVE									
POWER LEVER									
PROPELLER LEVER									
REVERSE THRUST LEVER									
ENGINE INDICATING EQUIPMENT									
ENGINE INSTALLATION									
SUBTOTAL	3	1	4	34	2	36	37	3	40
** SYSTEMS **									
ELECTRICAL SYSTEM									
RELAYS AND WIRING				1		1	1		1
SWITCHES					1	1		1	1
HYDRAULIC SYSTEM									
FLIGHT CONTROL SYSTEMS									
WING FLAP CONTROL SYSTEM (MECHANICAL)				1		1	1		1
ANTI-ICING, DE-ICING SYSTEMS									
AIR CONDITION, HEATING AND PRESSURIZATION									
AUTO PILOT									
FIRE WARNING SYSTEM									
FIRE EXTINGUISHER SYSTEM									
OXYGEN SYSTEM									
OTHER SYSTEMS									
OTHER				1		1	1		1
SUBTOTAL				3	1	4	3	1	4
** ROTORCRAFT **									
ROTOR ASSEMBLIES									
TAIL ROTOR BLADES				1		1	1		1
MAIN ROTOR HEAD ASSEMBLIES				1		1	1		1
OTHER				2		2	2		2
TRANSMISSION ROTOR DRIVE SYSTEM									
ENGINE DRIVE SHAFT				1		1	1		1
MAIN ROTOR DRIVE SHAFT	1		1				1		1
TAIL ROTOR DRIVE SHAFT ASSEMBLY				2		2	2		2
TAIL ROTOR GEAR BOX				1		1	1		1
SPRAG SYSTEM				1		1	1		1
FLIGHT CONTROL SYSTEMS									
CYCLIC PITCH CONTROL SYSTEM	1		1				1		1
COLLECTIVE PITCH CONTROL SYSTEM	1		1				1		1
TAIL ROTOR PITCH CONTROL SYSTEM				1		1	1		1
MISCELLANEOUS UNITS AND ASSEMBLIES									
SUBTOTAL				10		10	13		13

BEST DOCUMENT AVAILABLE

CAUSE/FACTOR TABLE

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** AIRPORTS/AIRWAYS/FACILITIES **									
AIRPORT FACILITIES									
RUNWAY LIGHTING					1	1		1	1
AIRPORT CONDITIONS									
WET RUNWAY				1	1	2	1	1	2
ICE/SLUSH ON RUNWAY		1	1		3	3		4	4
SNOW ON RUNWAY		1	1		4	4		5	5
SNOW WINDROWS					3	3		3	3
POORLY MAINTAINED RUNWAY SURFACE					3	3		3	3
SOFT RUNWAY					1	1		1	1
SNOW ON RAMP/TAXIWAY					1	1		1	1
POORLY MAINTAINED RAMP/TAXIWAY SURFACE				1		1	1		1
OTHER				1	2	3	1	2	3
AIRWAYS FACILITIES									
SUBTOTAL		2	2	3	19	22	3	21	24
** WEATHER **									
LOW CEILING		6	6		4	4		10	10
RAIN		2	2		1	1		3	3
FOG		4	4		4	4		8	8
SNOW		3	3		1	1		4	4
ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC		2	2					2	2
UNFAVORABLE WIND CONDITIONS		1	1		6	6		7	7
WIND SHEAR					1	1		1	1
SUDDEN WINDSHIFT					1	1		1	1
TURBULENCE ASSOCIATED WITH CLOUDS AND/OR THUNDERSTORMS		1	1					1	1
HIGH DENSITY ALTITUDE		1	1		2	2		3	3
THUNDERSTORM ACTIVITY		1	1					1	1
SUBTOTAL		21	21		20	20		41	41
** TERRAIN **									
WET, SOFT GROUND				1	3	4	1	3	4
SNOW-COVERED		1	1		2	2		3	3
HIGH VEGETATION					1	1		1	1
HIDDEN OBSTRUCTIONS					1	1		1	1
ROUGH/UNEVEN					6	6		6	6
HIGH OBSTRUCTIONS		3	3	1	8	9	1	11	12
OTHER					2	2		2	2
SUBTOTAL		4	4	2	23	25	2	27	29
** MISCELLANEOUS **									
FOREIGN OBJECT DAMAGE				1		1	1		1
SMOKE IN COCKPIT					1	1		1	1
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS	3		3	1		1	4		4
UNDETERMINED	2		2	4		4	6		6
EVASIVE MANEUVER TO AVOID COLLISION				2		2	2		2
UNQUALIFIED PERSON OPERATED AIRCRAFT				2		2	2		2
SUBTOTAL	5		5	10	1	11	15	1	16
GRAND TOTAL	61	42	103	199	81	280	260	123	383
** MISCELLANEOUS ACTS, CONDITIONS **									
FIRE OF UNDETERMINED ORIGIN					1	1		1	1
PREVIOUS DAMAGE				1	1	2	1	1	2
DOWNWIND					1	1		1	1
CARBON DEPOSITS					1	1		1	1
LOOSE, PART/FITTING				1		1	1		1
GROUND RESONANCE				1		1	1		1
CHAFFED				1		1	1		1
DISCONNECTED	1		1	3		3	4		4
DISTORTED				1		1	1		1
EXCESSIVE-WEAR/PLAY				4		4	4		4
ERRATIC		1	1					1	1
FRICTION, EXCESSIVE				1		1	1		1
GROUNDED				1		1	1		1
IMPROPERLY INSTALLED				1		1	1		1
OBSTRUCTED				2	1	3	2	1	3

BEST DOCUMENT AVAILABLE

MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
OPEN				1		1	1		1
OUT OF BALANCE				1		1	1		1
OVERHEATED	1		1	3		3	4		4
EXCESSIVE PRESSURE				1		1	1		1
PRESSURE TOO LOW				1		1	1		1
VIBRATION, EXCESSIVE				1		1	1		1
LOAD NOT JETTISONED				1	4	5	1	4	5
INTENTIONAL WHEELS UP				2		2	2		2
CHECKLIST-FAILED TO USE		1	1		1	1		2	2
DISREGARD OF GOOD OPERATING PRACTICE					1	1		1	1
IMPROPER EMERGENCY PROCEDURES	1		1	1		1	2		2
GUST LOCKS ENGAGED					1	1		1	1
NOT ALLIGNED WITH RUNWAY/INTENDED LANDING AREA				2	1	3	2	1	3
UNWARRANTED LOW FLYING	2		2		1	1	2	1	3
MISCALCULATED FUEL CONSUMPTION	1		1	1		1	2		2
JETTISONED LOAD		1	1		2	2		3	3
STOLEN OR UNAUTHORIZED USE OF AIRCRAFT					1	1		1	1
LANDED ON FOAMED RUNWAY					2	2		2	2
IMPROPERLY SECURED				1		1	1		1
ELECTRICAL FAILURE					1	1		1	1
EXPLOSIVE DECOMPRESSION					1	1		1	1
FATIGUE FRACTURE				6	1	7	6	1	7
WRONG PART				1		1	1		1
IMPROPER ALIGNMENT/ADJUSTMENT				1		1	1		1
SEPARATION IN FLIGHT		2	2		4	4		6	6
FIRE IN CABIN/ COCKPIT/ BAGGAGE COMPARTMENT					1	1		1	1
CORRODED/CORROSION				1		1	1		1
PILOT FATIGUE		2	2		1	1		3	3
FUEL EXHAUSTION	2		2	6		6	8		8
ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT	2	1	3				2	1	3
AIRFRAME ICE		1	1					1	1
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG	1		1	1		1	2		2
INTERFERENCE WITH FLIGHT CONTROLS				3		3	3		3
WHITEOUT				1	3	4	1	3	4
SUNGLARE					1	1		1	1
LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM	1		1	2		2	3		3
OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM				1		1	1		1
SIMULATED CONDITIONS		1	1		1	1		2	2
AIRCRAFT CAME TO REST IN WATER		5	5		8	8		13	13
HYDROPLANING ON WET RUNWAY				1	1	2	1	1	2
OVERLOAD FAILURE		1	1	1	9	10	1	10	11
MATERIAL FAILURE	1		1	14	1	15	15	1	16
FUEL STARVATION				8		8	8		8

DIRECT ENTRY CAUSES ARE CARRIED UNDER THEIR APPROPRIATE CAUSAL CATEGORIES AND ARE INCLUDED IN THE TOTALS

BEST DOCUMENT AVAILABLE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 2019	N24BT	081379	CASTLE AFB,CA	ROCKWELL IN	690A	NONE
3 2512	N713SP	100479	NALEXANDRIA,LA	AERO COMDR	680W	MINOR
3 3886	N57233	100179	COLUMBUS,OH	AERO COMDR	690	NONE
3 0853	N216SC	030379	ASPEN,CO	WESTWIND	1124	NONE
3 0964	N346V	013179	READING,PA	BEECH	C45	SERIOUS
3 1081	N201GW	032379	CEDAR RAPIDS,IA	BEECH	E18S	FATAL
3 1028	N926T	071079	OMILIK,AK	BEECH	H18	NONE
3 0609	N8SL	021779	TULSA,OK	BEECH	C-45H	NONE
1 0003	N12VT	022479	MEMPHIS,TN	BEECH	3NM	MINOR
3 0462	N724N	122279	NLEEVILLE,LA	BEECH	65-90	FATAL
3 0588	N88CR	011679	HOUSTON,TX	BEECH	C90	FATAL
3 3906	N6040M	080579	INDIANAPOLIS,IN	BEECH	C-90	FATAL
3 2541	N332K	090379	LAREDO,TX	BEECH	65-90	NONE
3 2390	N5JR	042779	CHICAGO,IL	BEECH	65-A90	MINOR
3 1770	N8120	072879	NFRESNO,CA	BEECH	65-90	NONE
3 3041	N700S	122379	MONTEREY,CA	BEECH	65-90	NONE
3 3532	N454SA	060979	CHICAGO,IL	BEECH	99	FATAL
3 3964	N983MA	111879	BANGOR,ME	BEECH	99	MINOR
3 3965	N7828S	102379	NRUIDOSO,NM	SOLOY	47G	FATAL
3 2942	N7104J	090679	HACKBERRY,LA	BELL	47G-4A	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 1286	N707FW	060179	CHERRY VALLEY,AR	BELL	204	NONE
3 1242	N16884	022479	NTAMPA,FL	BELL	206B	NONE
3 1458	N4790R	040879	LONG BEACH,CA	BELL	206	MINOR
3 1207	N59520	051879	NISLAND CITY,OR	BELL	206B	MINOR
3 1006	N4830	061779	NBELL ROSE,LA	BELL	206B	NONE
3 1586	N90315	070679	GARY,WV	BELL	206	NONE
3 1591	N5013C	082879	ABSAROKEE,MT	BELL	206B	NONE
3 1412	N4715R	071779	CUT OFF,LA	BELL	206B	FATAL
3 1237	N27554	052879	INDIANAPOLIS,IN	BELL	206-11	NONE
3 1690	N7853S	071879	SABINE,TX	BELL	206B	NONE
3 3170	N90022	091179	MERRIMACK,NH	BELL	206B	MINOR
3 3524	N16859	051679	GOBERADOR,NM	BELL	206B	NONE
3 3424	N1443W	071479	PHILADELPHIA,PA	BELL	206B	FATAL
3 3342	N5008L	072679	FT COLLINS,CO	BELL	206B-3	NONE
3 3107	N59627	041279	NCAMERON,LA	BELL	206B	MINOR
3 3912	N16810	062479	GOBERNADOR,NM	BELL	206B	NONE
3 3911	N711GT	072179	ALPINE,NJ	BELL	206B	NONE
3 3963	N3500M	100679	OLD WESTBURY,NY	BELL	206B	FATAL
3 3673	N59530	121079	SEA ISLAND,GA	BELL	206B	NONE
3 3948	N16867	122879	NTHERMOPOLIS,WY	BELL	206B	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 3904	N27598	100279	NPEMBROKE PINES,FL	BELL	206B	NONE
3 3705	N16877	091679	NSITKA,AK	BELL	206	NONE
3 1809	N16710	061279	NVENICE,LA	BELL	206B	MINOR
3 2191	N90171	080879	NINTRACSTL CITY,LA	BELL	206B	MINOR
3 1977	N70RB	040479	SIPESVILLE,PA	BELL	206B	FATAL
3 1811	N5018F	081179	NMORGAN CITY,LA	BELL	206B	FATAL
3 1807	N16779	042879	NCAMERON,LA	BELL	206L	MINOR
3 2104	N280C	090879	LAGRANGE,TX	BELL	206B	NONE
3 2511	N155AL	091879	PATTERSON,LA	BELL	206B	NONE
3 2100	N14852	060379	NMORGAN CITY,LA	BELL	206B	SERIOUS
3 2775	N8533F	080379	GRAND CANYON,AZ	BELL	206B	MINOR
3 2581	N500GH	090779	ROTONDA,FL	BELL	206B	NONE
3 2937	N5018N	100979	LAKE CHARLES,LA	BELL	206L	NONE
3 2552	N7111J	081879	HOUSTON,TX	BELL	206B	NONE
3 2999	N6212N	110779	NAMITY,OR	BELL	206A	NONE
3 2560	N2HJ	050679	HOUSTON,TX	BELL	206B	SERIOUS
3 0884	N203AL	051779	SORRENTO,LA	BELL	206B	NONE
3 2099	N49673	092579	NMORGAN CITY,LA	BELL	212	NONE
3 1214	N226RM	041979	NDARBY,MT	BELL	214B-1	FATAL
3 2431	N13BT	101679	HAWTHORN,CA	CESSNA	501	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
3 4010	N555AJ	111979	CASTE ROCK,CO	CESSNA	500	FATAL
3 0162	N186MW	020779	BOSTON,MA	CESSNA	500	NONE
3 0113	N500DD	010579	BURBANK,CA	CESSNA	500	NONE
3 1045	N906MW	061179	ST LOUIS,MO	DEHAVILLAND	DH 104	NONE
3 0628	N3MF	012679	TAOS,NM	HAWKER-SDLY	125	NONE
3 3573	N55G	051879	ROME,NY	HAWKER	DH-125	NONE
3 3088	N23BC	110579	TAU,AMER SAMOA	DEHAVILLAND	DHC-6	SERIOUS
3 3898	N8061V	120379	NNOME,AK	DEHAVND CAN	DHC-6	FATAL
3 2477	N24RM	022779	CHEYENNE,WY	DEHAVILLAND	DHC-6	MINOR
3 2111	N851TB	012879	NANAKTUVUK PASS,AK	DEHAVILLAND	DHC-6	NONE
3 3824	N8057K	110179	NSPRINGFIELD,GA	GRUMMAN	G-164	NONE
3 0802	N10212	040879	NGRIDLEY,CA	GRUMMAN	G-164A	SERIOUS
3 0468	N64867	040379	CHEHALIS,WA	HILLER	UH12D	FATAL
3 3608	N62377	102979	AMANDA PARK,WA	HILLER ACFT	UH-12D	NONE
3 1487	N94AP	032279	NTULAROSA,NM	HILLER	UH-12D	MINOR
3 1767	N161HA	051179	INDEPENDENCE,OR	HILLER ACFT	UH-12E	NONE
3 3159	N527HA	012979	NHOMESTEAD,FL	HILLER	UH-12E	SERIOUS
3 0769	N96TH	060879	NLIBERTY,AK	SOLOY	12EJ3	NONE
3 0570	N175HA	032479	FRIEND,OR	HILLER ACFT	UH-12E	NONE
3 0467	N545HA	022379	NSPRINGFIELD,OR	HILLER ACFT	UH-12E	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 2527	N87977	103179	NNEAH BAY,WA	HILLER ACFT	UH-12E	NONE
3 2845	N571H	112679	NSTANLEY,ID	HILLER ACFT	UH-12E	NONE
3 2674	N377FH	090679	NARLINGTON,WA	HILLER	FH1100	SERIOUS
3 1854	N5064F	071979	OXNARD,CA	HILLER ACFT	FH1100	NONE
3 3443	N421FH	091979	CHAMPLAIN,VA	HILLER	FH1100	SERIOUS
3 0230	N30VA	022379	BLACKSBURG,VA	HILLER	1100	NONE
3 0174	N8696F	021679	MONTAGUE,CA	HUGHES	369C	NONE
3 0455	N90876	010379	NLONGMONT,CO	HUGHES	500A	NONE
3 0046	N9141F	010479	NMINDEN,NV	HUGHES	369C	NONE
3 0324	N8306F	012179	NMARBLE,CO	HUGHES	500D	NONE
3 0131	N58231	010979	BRIDGEPORT,CA	HUGHES	369B	MINOR
3 0303	N8359F	030179	MCKINLEYVILLE,CA	HUGHES	369D	SERIOUS
3 3697	N83FC	081879	NKEMMERER,WY	HUGHES	369D	MINOR
3 3441	N9076F	100479	MT CRAWFORD,VA	HUGHES	369HS	FATAL
3 3729	N58305	110379	NSUN CITY,AZ	HUGHES	369D	NONE
3 3320	N58240	101179	ABBEVILLE,LA	HUGHES	369D	NONE
3 3298	N8303F	122279	NMT.VERNON,WA	HUGHES	369D	MINOR
3 3830	N8687F	080179	MAKAWAO,MAUI,HI	HUGHES	369D	SERIOUS
3 3657	N501RP	101879	TRENTON,NJ	HUGHES	369D	MINOR
3 3418	N9186F	101079	NALBUQUERQUE,NM	HUGHES	500C	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
3 3875	N9090F	090279	NALAKANUK,AK	HUGHES	500C	SERIOUS
3 2031	N9268F	062579	NYUBA CITY,CA	HUGHES	369HS	SERIOUS
3 2529	N9256F	012279	NABERDEEN,WA	HUGHES	369HS	MINOR
3 2556	N8611F	100979	DALLAS,TX	HUGHES	369D	NONE
3 2622	N58193	100579	HOUSTON,TX	HUGHES	369D	SERIOUS
3 3095	N58184	072579	NBAY CITY,OR	HUGHES	369D	MINOR
3 2858	N8673F	102379	PHOENIX,AZ	HUGHES	369D	MINOR
3 2940	N58270	121979	WESTWEGO,LA	HUGHES	369D	NONE
3 3132	N8623F	091979	JACKSONVILLE,FL	HUGHES	369HS	FATAL
3 1039	N58333	030979	ANGLETON,TX	HUGHES	369D	FATAL
3 0896	N8374F	051979	KING CITY,CA	HUGHES	369D	SERIOUS
3 1132	N8629F	040279	PEKIN,IL	HUGHES	369D	FATAL
3 1431	N8667F	070179	LABARGE,WY	HUGHES	369D	NONE
3 1774	N922MB	052179	NST MARIES,ID	HUGHES	369HS	FATAL
3 1211	N8601F	050979	SPOKANE,WA	HUGHES	369D	MINOR
3 3940	N9062F	070779	NHUNTER,NY	HUGHES	369HS	FATAL
3 4011	N4524	082479	NHAMILTON,MT	KAMAN	HH-43F	MINOR
3 0894	N82298	042779	LODI,CA	PIPER	PA-31T	NONE
3 2718	N6192A	071279	EVELETH,MN	PIPER	PA-31T	NONE
3 2872	N6123A	022379	BALTIMORE, MD	PIPER	PA-31T	FATAL

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 2487	N82282	042779	ELYRIA,OH	PIPER	PA-31T	FATAL
3 3869	N444JW	120279	SAN ANGELO,TX	PIPER	PA-31T	NONE
3 1480	USCG1376	011779	OPA LOCKA,FL	SIKORSKY	HH52A	FATAL
3 2944	N476AL	112979	NINTRACSTL CITY,LA	SIKORSKY	S-76A	NONE
3 1420	N4251X	081579	WATERPROOF,LA	ROCKWELL	S-2R	FATAL
3 3820	N4004U	080479	LEESBURG,GA	AYRES	S2R	SERIOUS
3 0944	N8501V	052679	BLUNT,SD	NA ROCKWELL	S-2R	FATAL
3 0858	N5512X	060979	NFIREBAUGH,CA	ROCKWELL	S2R	NONE
3 3624	N90825	120779	NBAXTER,IA	AEROSPATLE	319B	NONE
3 3462	N49524	072079	NALPINE,WY	AEROSPATIAL	S315B	SERIOUS
3 3256	N2304P	113079	NPROVO,UT	AEROSPATIAL	SA316B	NONE
3 2676	N219RM	100879	NSWAN VALLEY,ID	AEROSPATIAL	SA315B	FATAL
3 3098	N55963	121779	NMILL CITY,OR	AEROSPATLE	SA315B	NONE
3 3024	N3594B	122679	NINTRACSTL CY,LA	AEROSPATLE	AS-350	SERIOUS
3 3382	N48085	053079	IDAHO SPRNGS,CO	AEROSPATIAL	SA319B	MINOR
3 2957	N3593Z	110779	NNELLS,NV	AEROSPATILE	315B	NONE
3 3863	N119SF	102379	PHILADELPHIA,PA	AEROSPATLE	SA341G	MINOR
3 2620	N90049	042679	NSABINE PASS,TX	AEROSPATILE	SA365C	SERIOUS
3 0167	N49556	020379	NSALT FLAT,TX	AEROSPATIAL	350C	NONE
3 1455	N516KA	060179	NEW YORK,NY	AGUSTA	109A	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 0172	N14RJ	011579	MISSOULA,MT	HANDLY-PAGE	HP-137	NONE
3 0629	N5541L	012279	CONCORD,NH	LOCKHEED	L-1329	MINOR
3 1796	N177RB	091479	MERCED,CA	BEDE	BD-5J	NONE
3 1675	N12420	070979	SEBRING,FL	LOCKHEED	T-33	NONE
3 1631	N22007	081579	NEVERETT,WA	ZIPPER	HH-1	FATAL
3 3973	N10347	062979	JOHNSON,KS	INTERCEPTOR	SUPER	MINOR
3 1707	N90755	052179	NGALVESTON,TX	BOLKOW	BO105C	NONE
3 2673	N6GJ	082979	OTHELLO,WA	LEAR JET	23	NONE
3 2595	N7735A	042179	ROGERS,AR	LEAR JET	35A	NONE
3 1743	N744JC	012479	YOUNGSTOWN,OH	LEAR JET	24D	NONE
3 4005	N40BC	070679	PUEBLO,CO	LEAR JET	25B	FATAL
3 4015	N300JA	120279	DUTCH HARBOR,AK	LEAR JET	24	SERIOUS
3 2276	N8550	101779	PIQUA,OH	MITSUBISHI	MU-2B	NONE
3 2769	N208MA	080379	HAYS,KS	MITSUBISHI	MU-2B	FATAL
3 0122	N5NW	012379	SEARCY,AR	MITSUBISHI	MU-2B	MINOR
3 3693	N200BR	122179	PROVO,UT	MITSUBISHI	MU-2B	FATAL
3 3668	N8730	110179	NASHVILLE,TN	MITSUBISHI	MU-2F	FATAL
3 3244	N234MA	112679	NPOST OAK,TX	MITSUBISHI	MU-2B	FATAL
3 0912	N222LR	061879	NEW ORLEANS,LA	MITSUBISHI	MU-2B	FATAL
3 0947	N312MA	052579	SACRAMENTO,CA	MITSUBISHI	MU2	NONE

LISTING OF ACCIDENTS
INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION
1979
(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
3 2479	N418SA	031079	MARINA DEL REY,CA	NORD-AVION	262	FATAL
3 2707	N111DC	091879	NTAMPA,FL	HAM-FLUGZEU	HFB320	MINOR
3 2817	N711SA	070179	MINOT,ND	SWEARINGEN	SA26AT	NONE
3 1003	N1198S	020179	CRAIG,CO	SWEARINGEN	SA26T	NONE
3 0515	N211CC	022479	WEST CHICAGO,IL	SWEARINGEN	SA26T	NONE
3 0190	N52LF	021279	BUTLER,PA	SWEARINGEN	SA26AT	NONE
3 3962	N65103	101979	PALO ALTO,CA	SWEARINGEN	SA26AT	FATAL
3 1696	N939WB	080679	MIDLAND,TX	SWEARINGEN	SA26AT	NONE
3 1297	N345T	022679	HOUSTON,TX	SWEARINGEN	SA26AT	NONE
3 0052	N160MA	011579	WISCONSIN RPDS,WI	SWEARINGEN	SA-226	NONE
3 1140	N5654M	053179	SAN MARCOS,TX	SWEARINGEN	SA226	MINOR

BEST DOCUMENT AVAILABLE

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS

INVOLVING

TURBINE POWERED AIRCRAFT

U.S. GENERAL AVIATION

1979

(IN STATE AND DATE ORDER)

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2111	1/28/79	NR.ANAKTUVUK PASS.AK	DEHAVILLAND DHC-6	CR- 0 0 2	COMMERCIAL	COMMERCIAL, AGE 50, 14650
	TIME - 1500		N851TR	PX- 0 0 0	AIR TAXI-CARGO	TOTAL HOURS, 5000 IN
			DAMAGE-SUBSTANTIAL			TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION	LAST ENROUTE STOP		
	BARROW,AK		ANAKTUVUK PASS,AK	UMIAT,AK		
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLISION WITH GROUND/WATER		CONTROLLED	IN FLIGHT OTHER		

PROBABLE CAUSE(S)
PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS
FACTOR(S)
COPILOT - BECAME LOST/DISORIENTED
MISCELLANEOUS ACTS,CONDITIONS - PILOT FATIGUE
MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT
REMARKS- COLLIDED WITH MOUNTAIN PEAK,CLIMBING OUT OF WHITEOUT CONDS,CREW FLEW 12 OUT OF LAST 24HRS.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0769	6/8/79 NR.LIBERTY,AK TIME - 1430		SOLOY 12EJ3 N96TH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, FL,INSTR., AGE 35, 5360 TOTAL HOURS, 85 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
40 MILE CAMP,AK

INTENDED DESTINATION
FIELD SITE

TYPE OF ACCIDENT
COLLIDED WITH TREES
COLLISION WITH GROUND/WATER UNCONTROLLED

PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS
PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE
MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED
PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS
WEATHER - SUDDEN WINDSHIFT
WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED

SKY CONDITION
CLEAR
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
WIND VELOCITY-KNOTS
15
TYPE OF FLIGHT PLAN
OTHER

CEILING AT ACCIDENT SITE
UNLIMITED
PRECIPITATION AT ACCIDENT SITE
NONE
WIND DIRECTION-DEGREES
360
TYPE OF WEATHER CONDITIONS
VFR

REMARKS- WINDS GUSTING TO 20KNOTS.

BEST DOCUMENT AVAILABLE

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BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1028	7/10/79 TIME - 1635	OMILIK,AK	BEECH H18 N926T DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	AIRLINE TRANSPORT, AGE 40, 12089 TOTAL HOURS, 1923 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - OMILIK
DEPARTURE POINT
KOTZEBUE,AK
INTENDED DESTINATION
OMILIK,AK
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
GEAR COLLAPSED
PHASE OF OPERATION
LANDING ROLL
LANDING ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED
WEATHER - UNFAVORABLE WIND CONDITIONS
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
WEATHER BRIEFING - UNKNOWN/NOT REPORTED
WEATHER FORECAST - UNKNOWN/NOT REPORTED

SKY CONDITION
UNKNOWN/NOT REPORTED
CEILING AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
RELATIVE BEARING OF WIND
RIGHT QUARTERING HEAD WIND 023-067 DEGREES
WIND DIRECTION-DEGREES
315
WIND VELOCITY-KNOTS
15
TYPE OF WEATHER CONDITIONS
UNKNOWN/NOT REPORTED
TYPE OF FLIGHT PLAN
VFR
REMARKS- 2000FT GRAVEL STRIP WITH DOGLEG.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3875	9/2/79 TIME - 1025	NR.ALAKANUK,AK	HUGHES 500C N9090F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 2 0	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 28, 5410 TOTAL HOURS, 900 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
ALAKANUK,AK
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
IN FLIGHT HOVERING
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - FUEL SYSTEM PUMP,FUEL
MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- FUEL PUMP DRIVE SHAFT SPLINES WORN.AD 78-14-08 NCW.ENG PWR LOST DRG HOVER AT APRX 50FT AGL.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3705	9/16/79 TIME - 1722	NR.SITKA,AK	BELL 206 N16877 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 3428 TOTAL HOURS, 582 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
SITKA,AK
INTENDED DESTINATION
RETURN
LAST ENROUTE STOP
RUBY BLUFF BAY,AK
TYPE OF ACCIDENT
ROLL OVER
PHASE OF OPERATION
TAKEOFF VERTICAL

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
FACTOR(S)
TERRAIN - HIDDEN OBSTRUCTIONS
REMARKS- L SKID CAUGHT ON ROOT DRG TKOF & HEL ROLLED OVR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4015	12/2/79 TIME - 1621	DUTCH HARBOR,AK	LEAR JET 24 N300JA DAMAGE-DESTROYED	CR- 0 2 0 PX- 0 1 3	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 56, 15756 TOTAL HOURS, 5000 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - DUTCH HARBOR
DEPARTURE POINT
DUTCH HARBOR,AK
INTENDED DESTINATION
ANCHORAGE,AK
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
COLLIDED WITH OBJECT
PHASE OF OPERATION
TAKEOFF RUN
TAKEOFF ABORTED

PROBABLE CAUSE(S)
PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN
PILOT IN COMMAND - DELAYED ACTION IN ABORTING TAKEOFF
FACTOR(S)
PERSONNEL - AIRPORT SUPERVISORY PERSONNEL IMPROPER/INADEQUATE SNOW REMOVAL
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS WET RUNWAY
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS ICE/SLUSH ON RUNWAY
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS POORLY MAINTAINED RUNWAY SURFACE
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SOFT RUNWAY
FIRE AFTER IMPACT
REMARKS- COLLIDED W ROCKS BORDERING R SIDE OF RWY.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3898	12/3/79 TIME - UNK/NR	NR.NOME.AK	DEHAVND CAN DHC-6 N8061V DAMAGE-DESTROYED	CR- 2 0 0 PX- 2 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 29, 3453 TOTAL HOURS, 731 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
NOME.AK
INTENDED DESTINATION
RETURN
LAST ENROUTE STOP
SHISHMAREF.AK
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER
CONTROLLED
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS
FACTOR(S)
TERRAIN - SNOW-COVERED
TERRAIN - HIGH OBSTRUCTIONS
WEATHER - LOW CEILING
WEATHER - SNOW
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT
MISSING AIRCRAFT - LATER RECOVERED

SKY CONDITION
OBSCURATION
CEILING AT ACCIDENT SITE
1000
VISIBILITY AT ACCIDENT SITE
1/2 MILE OR LESS
PRECIPITATION AT ACCIDENT SITE
SNOW SHOWERS
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG
WIND DIRECTION-DEGREES
130
WIND VELOCITY-KNOTS
12
TYPE OF WEATHER CONDITIONS
UNKNOWN/NOT REPORTED
TYPE OF FLIGHT PLAN
SPECIAL VFR
REMARKS- RCVY DATE 2/10/80.TELEWRITER TRANS WX FM NWS TO FSS OTS.SPEC OBS TAKEN 0829,TRANS TO PLT AFT TKOF.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2775	8/3/79 TIME - 1835	GRAND CANYON,AZ	BELL 206B N8533F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 27, 2136 TOTAL HOURS, 1229 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
TUSAYAN,AZ
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)
POWERPLANT - FUEL SYSTEM PUMP,FUEL
MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY
FACTOR(S)
TERRAIN - ROUGH/UNEVEN
WEATHER - UNFAVORABLE WIND CONDITIONS
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

SKY CONDITION
CLEAR
CEILING AT ACCIDENT SITE
UNLIMITED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
TEMPERATURE-F
78
WIND DIRECTION-DEGREES
270
WIND VELOCITY-KNOTS
5
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
NONE
REMARKS- ENG DRIVEN FUEL PUMP DRSHFT SPLINES & PUMP SPLINES WORN,SUNDSTRAND 024918-104,S/N PE 3232.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2858	10/23/79 TIME - 1345	PHOENIX,AZ	HUGHES 369D N8673F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 38, 465 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - GILA RVR HELIPORT
DEPARTURE POINT
MESA,AZ
INTENDED DESTINATION
PHOENIX,AZ
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
ROLL OVER
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
POWERPLANT - TURBINE ASSEMBLY SEALS,AIR-OIL
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
FACTOR(S)
TERRAIN - ROUGH/UNEVEN
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- 3 ENG TURBINE SEALS & ALL TURBINE BEARINGS FAILED IN ALLISON 250-C20B,CAE 8307479

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3729	11/3/79 TIME - 1500	NR.SUN CITY,AZ	HUGHES 369D N58305 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 32, 3028 TOTAL HOURS, 465 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - LUKE AFB AUX 3
DEPARTURE POINT: PHOENIX,AZ
INTENDED DESTINATION: SUN CITY,AZ
TYPE OF ACCIDENT: HARD LANDING
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
ROTORCRAFT - ROTOR ASSEMBLIES OTHER
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.
REMARKS- T/R PITCH,CONTROL SYSTEM FAILED FOR UNDETMINED REASON.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0122	1/23/79 TIME - 0855	SEARCY,AR	MITSUBISHI MU-2B N5NW DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 33, 3300 TOTAL HOURS, 1031 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - SEARCY MUNICIPAL
DEPARTURE POINT: OKLAHOMA CITY,OK
INTENDED DESTINATION: SEARCY,AR
TYPE OF ACCIDENT: STALL MUSH
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED
FACTOR(S)
PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND
MISCELLANEOUS ACTS,CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2595	4/21/79 ROGERS,AR TIME - 1200		LEAR JET 35A N7735A DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 3	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 58, 6376 TOTAL HOURS, 3200 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - ROGERS MUN-CARTER
DEPARTURE POINT: CHICAGO,IL
INTENDED DESTINATION: PHOENIX,AZ
LAST ENROUTE STOP: ROGERS,AR
TYPE OF ACCIDENT: DRAGGED WINGTIP,POD,OR FLOAT
PHASE OF OPERATION: LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER IFR OPERATION
MISCELLANEOUS ACTS,CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA
FACTOR(S)
WEATHER - LOW CEILING
WEATHER - FOG
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE
WEATHER FORECAST - WEATHER SLIGHTLY WORSE THAN FORECAST

SKY CONDITION: OVERCAST
CEILING AT ACCIDENT SITE: 400
VISIBILITY AT ACCIDENT SITE: 2 MILES OR LESS
PRECIPITATION AT ACCIDENT SITE: NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE: FOG
TYPE OF WEATHER CONDITIONS: IFR
TYPE OF FLIGHT PLAN: IFR

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1286	6/1/79 CHERRY VALLEY,AR TIME - 1600		BELL 204 N707FW DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 49, 11120 TOTAL HOURS, 102 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - CHERRY VALLEY
DEPARTURE POINT: CHERRY VALLEY,AR
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER CONTROLLED
PHASE OF OPERATION: IN FLIGHT FLAREOUT FOR SWATH RUN

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED ALTITUDE

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - 8900
KIND OF CROP - RICE
PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
CRASH HELMET - AVAILABLE-NOT USED
TANK/HOPPER-LOCATION - AFT OF PILOT
ELEVATION-AREA BEING TREATED-FEET - 250
KIND OF OPERATION - SPRAYING CROPS
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC
GLOVES - NOT USED
COCKPIT CRASHPAD - NOT INSTALLED
TERRAIN-TYPE - LEVEL,FLAT
SWATH RUN-HOW FLOWN - CROSSWIND

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0113	1/5/79 TIME - 1826	BURBANK,CA	CESSNA 500 N5000D DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 3	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 33, 4333 TOTAL HOURS, 620 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - HOLLYWOOD BURBANK

DEPARTURE POINT
SAN FRANCISCO,CA

INTENDED DESTINATION
BURBANK,CA

TYPE OF ACCIDENT
OVERSHOOT
COLLIDED WITH FENCE,FENCEPOSTS

PHASE OF OPERATION
LANDING ROLL
LANDING ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING
PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS WET RUNWAY

FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - HYDROPLANING ON WET RUNWAY

3-0131	1/9/79 TIME - 0920	BRIDGEPORT,CA	HUGHES 369B N58231 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL CTR PASSG-D	ATP,FLIGHT INSTR., AGE 32, 4552 TOTAL HOURS, 2060 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
HUNESVILLE RANCH,CA

INTENDED DESTINATION
EAGLE PEAK,CA

TYPE OF ACCIDENT
ROLL OVER

PHASE OF OPERATION
LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING
PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN

FACTOR(S)
TERRAIN - SNOW-COVERED
WEATHER - UNFAVORABLE WIND CONDITIONS
MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT

EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

SKY CONDITION
CLEAR

CEILING AT ACCIDENT SITE
UNLIMITED

VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)

PRECIPITATION AT ACCIDENT SITE
NONE

OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE

TEMPERATURE-F
25

WIND DIRECTION-DEGREES
180

WIND VELOCITY-KNOTS
10

TYPE OF WEATHER CONDITIONS
VFR

TYPE OF FLIGHT PLAN
UNKNOWN/NOT REPORTED

REMARKS- LOST SIGHT OF GROUND DURING LANDING WHEN ROTOR DOWN WASH CAUSED WHITEOUT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0174	2/16/79 TIME - 1545	MONTAGUE,CA	HUGHES 369C N8696F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 33, 6130 TOTAL HOURS, 1565 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - MONTAGUE-YREKA
DEPARTURE POINT: MONTAGUE,CA
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: HARD LANDING
PHASE OF OPERATION: LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN
TERRAIN - WET,SOFT GROUND
REMARKS- DRNG LOG HELI WENT INTO MUD,CAME TO SUDDEN STOP,MR BLADES CUT OFF TAILBOOM.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0303	3/1/79 TIME - 0953	MCKINLEYVILLE,CA	HUGHES 369D N8359F DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 1 0	COMMERCIAL CTR PASSG-D	COMMERCIAL, FL.INSTR., AGE 34, 1978 TOTAL HOURS, 224 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - ARCATA AIRPORT
DEPARTURE POINT: SMITH RIVER,CA
INTENDED DESTINATION: BLUE LAKE,CA
TYPE OF ACCIDENT: HARD LANDING
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT
SUSPECTED MECHANICAL DISCREPANCY
REMARKS- PLT SUSPECTED TAIL ROTOR FAILURE,ATTMPTD EMERG LNDG,MAIN ROTOR BADES SEVERED TAILCONE ON TCHDWN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2479	3/10/79 TIME - 1752	MARINA DEL REY,CA	NORD-AVION 262 N418SA DAMAGE-DESTROYED	CR- 2 0 1 PX- 1 0 3	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 43, 8500 TOTAL HOURS, 879 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - LOS ANGELES INTL
DEPARTURE POINT: LOS ANGELES,CA
INTENDED DESTINATION: SANTA MARIA,CA
TYPE OF ACCIDENT: ENGINE FAILURE OR MALFUNCTION
DITCHING
PHASE OF OPERATION: TAKEOFF INITIAL CLIMB
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
POWERPLANT - PROPELLER SYSTEM OTHER
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES
FACTOR(S)
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL OTHER
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER
REMARKS- LEAK OR BREAK IN R ENG PROP PRESS LINE,AUTOFEATHERED,L ENG SHUT DOWN,RESTART INFO NOT IN MANUAL.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1458	4/8/79 TIME - 0055	LONG BEACH,CA	BELL 206 N4790R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL OTHER	NO CERTIFICATE, AGE UNK/NR, 0 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - LONG BEACH
DEPARTURE POINT: LONG BEACH,CA — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER — UNCONTROLLED — PHASE OF OPERATION: TAKEOFF VERTICAL

PROBABLE CAUSE(S)
MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - STOLEN OR UNAUTHORIZED USE OF AIRCRAFT
REMARKS- STOLEN HELICOPTER,INDIVIDUAL NOT RATED.

3-0802	4/8/79 TIME - 0856	NR,GRIDLEY,CA	GRUMMAN G-164A N10212 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 5050 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.

TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER — UNCONTROLLED — PHASE OF OPERATION: IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
MISCELLANEOUS - UNDETERMINED

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - 3400
KIND OF CROP - CLOVER
PILOT'S SEAT BELT - FASTENED-PROPERLY
GOGGLES - USED
COCKPIT CRASHPAD - INSTALLED
TANK/HOPPER-LOCATION - FORWARD OF PILOT
ELEVATION-AREA BEING TREATED-FEET - 150
KIND OF OPERATION - SPRAYING CROPS
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC
GLOVES - NOT USED
CRASH HELMET - AVAILABLE USED
CRASH BAR - INSTALLED
TERRAIN-TYPE - LEVEL,FLAT
SWATH RUN-HOW FLOWN - CROSSWIND
FIRE AFTER IMPACT
REMARKS- ACDT UNOBSERVED,CAUSE FOR LOSS OF CONTROL UNDETERMINED,PILOT HAS NO RECOLLECTION OF LOSS OF CNTL.

3-0894	4/27/79 TIME - 1145	LODI,CA	PIPER PA-31T N8229R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 30, 3795 TOTAL HOURS, 249 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - KINGDOM AIRPARK
DEPARTURE POINT: CONCORD,CA — INTENDED DESTINATION: LODI,CA
TYPE OF ACCIDENT: COLLIDED WITH OBJECT — PHASE OF OPERATION: TAXI FROM LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT
REMARKS- PILOT ALLOWED WING TIP TO STRIKE A TANK TRAILER PARKED ADJACENT TO TAXIWAY.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0896	5/19/79 TIME - 2200	KING CITY,CA	HUGHES 369D NR374F DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 40, 5562 TOTAL HOURS, 362 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
LONE RANCH HELO PAD
INTENDED DESTINATION
FRESNO,CA
TYPE OF ACCIDENT
HARD LANDING
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE
FACTOR(S)
SYSTEMS - ELECTRICAL SYSTEM SWITCHES
MISCELLANEOUS ACTS,CONDITIONS - ELECTRICAL FAILURE
FIRE AFTER IMPACT

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0947	5/25/79 TIME - 1515	SACRAMENTO,CA	MITSUBISHI MU2 N312MA DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 59, 7850 TOTAL HOURS, 310 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - SACRAMENTO EXEC
DEPARTURE POINT
CARSON CITY,NV
INTENDED DESTINATION
SACRAMENTO,CA
TYPE OF ACCIDENT
GEAR RETRACTED
PHASE OF OPERATION
LANDING ROLL

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR NORMAL RETRACTION/EXTENSION ASSEMBLY
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
FACTOR(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE
REMARKS- PLT STATED ACFT PROB HIT 7IN HOLE DURING PRIOR LNDG.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0858	6/9/79 TIME - 0100	NR.FIREBAUGH,CA	ROCKWELL S2R N5512X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 38, 10500 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
FIREBAUGH,CA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
IN FLIGHT PROCEDURE TURNAROUND

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - 8000
KIND OF CROP - TOMATOES
GLOVES - NOT USED
CRASH HELMET - AVAILABLE USED
CRASH BAR - INSTALLED
TERRAIN-TYPE - LEVEL,FLAT
SWATH RUN-HOW FLOWN - WIND CALM
KIND OF OPERATION - FERTILIZING (LIQUID)
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC
GOGGLES - NOT USED
COCKPIT CRASHPAD - NOT INSTALLED
TANK/HOPPER-LOCATION - FORWARD OF PILOT
ELEVATION-AREA BEING TREATED-FEET - 153
REMARKS- HIT POWERLINE.

3-2031	6/25/79 TIME - 1700	NR.YUBA CITY,CA	HUGHES 369HS N926RF DAMAGE-SUBSTANTIAL	CR- 0 1 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	COMMERCIAL, FL.INSTR., AGE 32, 6200 TOTAL HOURS, 1125 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
YUBA CITY,CA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
HARD LANDING
PHASE OF OPERATION
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS
REMARKS- IP WAS DEMONSTRATING A LOW LVL AUTOROTATIVE LNDG

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1854	7/19/79 TIME - 1445	OXNARD,CA	HILLER ACFT FH1100 N5064F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 31, 1663 TOTAL HOURS, 582 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - OXNARD
DEPARTURE POINT
OXNARD,CA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - MISCELLANEOUS FOREIGN OBJECT DAMAGE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.
FIRE AFTER IMPACT
REMARKS- SHOP TOWEL IN COMPRESSOR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1770	7/28/79 TIME - 1136	NR,FRESNO,CA	BEECH 65-90 N8120 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 55, 26000 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - SIERRA SKY PARK
DEPARTURE POINT
FRESNO,CA
INTENDED DESTINATION
UNKNOWN/NOT REPORTED
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
WHEELS-UP
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- PLT STATED SHORT FLD TKOF,SNGL ENG TKOF DIST 1800 FT,RWY LENGTH-2600 FT.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2019	8/13/79 TIME - 1753	CASTLE AFB,CA	ROCKWELL IN 690A N248T DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 46, 2730 TOTAL HOURS, 18 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - CASTLE AFB
DEPARTURE POINT: FRESNO,CA
INTENDED DESTINATION: MODESTO,CA
TYPE OF ACCIDENT: AIRFRAME FAILURE IN FLIGHT; WHEELS-UP
PHASE OF OPERATION: TAKEOFF INITIAL CLIMB; LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR WHEELS,TIRES,AXLES
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
MISCELLANEOUS ACTS,CONDITIONS - INTENTIONAL WHEELS-UP
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT
MISCELLANEOUS ACTS,CONDITIONS - LANDED ON FOAMED RUNWAY
REMARKS- RGT MAIN WHEEL BEARING FAILED & WHEEL SEPARATED IN FLT.

3-1796	9/14/79 TIME - 0922	MERCED,CA	BEDE BD-5J N1778R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 37, 72 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - MERCED MUNICIPAL
DEPARTURE POINT: MERCED,CA
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: HARD LANDING; GEAR COLLAPSED
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN; LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL OTHER
SYSTEMS - FLIGHT CONTROL SYSTEMS WING FLAP CONTROL SYSTEM MECHANICAL
MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
REMARKS- EXCESSIVE WEAR,FLAP HANDLE PIN,MATING HOLES,FLAPS RETRACTED,LNDD SHORT,70 HRS TT.

3-2431	10/16/79 TIME - 1503	HAWTHORN,CA	CESSNA 501 N13RT DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 5	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 45, 7200 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - HAWTHORNE
DEPARTURE POINT: SAN FRANCISCO
INTENDED DESTINATION: HAWTHORN,CA
TYPE OF ACCIDENT: UNDERSHOOT; COLLIDED WITH FENCE,FENCEPOSTS
PHASE OF OPERATION: LANDING FINAL APPROACH; LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED DISTANCE,SPEED,ALTITUDE OR CLEARANCE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3962	10/19/79 TIME - 2316	PALO ALTO,CA	SWEARINGEN SA26AT N65103 DAMAGE-DESTROYED	CR- 0 1 0 PX- 2 0 0	NONCOMMERCIAL BUSINESS	ATP,FLIGHT INSTR., AGE 33, 3331 TOTAL HOURS, 197 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PALO ALTO
DEPARTURE POINT
BAKERSFIELD,CA
INTENDED DESTINATION
PALO ALTO,CA
TYPE OF ACCIDENT
BIRD STRIKE
HARD LANDING
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS
PILOT IN COMMAND - IMPROPER RECOVERY FROM BOUNCED LANDING
PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION
REMARKS- IFR CANCELLED,VFR LDG HARD,ABORTED LDG ROLL LEFT CRASHED INVERTED,L ENG BIRD INJESTION,7 ACFT DMGD

3-3041	12/23/79 TIME - 1915	MONTEREY,CA	BEECH 65-90 N700S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 35, 10000 TOTAL HOURS, 900 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PENINSULA
DEPARTURE POINT
MONTEREY,CA
INTENDED DESTINATION
FRESNO,CA
TYPE OF ACCIDENT
STALL MUSH
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB

PROBABLE CAUSE(S)
PILOT IN COMMAND - PREMATURE LIFT-OFF
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED
FACTOR(S)
WEATHER - WIND SHEAR
WEATHER BRIEFING - OTHER

SKY CONDITION
OVERCAST/LOWER SCATTERED
CEILING AT ACCIDENT SITE
12000
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
RELATIVE BEARING OF WIND
HEAD WIND 338-022 DEGREES
WIND DIRECTION-DEGREES
120
WIND VELOCITY-KNOTS
15
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
NONE
REMARKS- WINDS GUSTING TO 40KNOTS,PILOTS ONLY WX BRIEFING CAME FROM ATIS.

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0455	1/3/79 NR.LONGMONT.CO TIME - 1445		HUGHES 500A N90876 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	ATP,FLIGHT INSTR., AGE 30, 4467 TOTAL HOURS, 26 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT JEFFERSON COUNTY	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING LANDING POWER-OFF AUTOROTATIVE LANDING			
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
3-0324	1/21/79 NR.MARBLE.CO TIME - 0950		HUGHES 500D N8306F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 30, 2660 TOTAL HOURS, 98 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CRESTED BUTTE,CO	INTENDED DESTINATION MARBLE,CO				
	TYPE OF ACCIDENT COLLIDED WITH SNOWBANK		PHASE OF OPERATION TAXI AERIAL TAXI TO/FROM LANDING			
	PROBABLE CAUSE(S) PILOT IN COMMAND - BECAME LOST/DISORIENTED MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT FACTOR(S) TERRAIN - SNOW-COVERED REMARKS- COMPANY FLT FOLLOWING.					
3-1003	2/1/79 CRAIG,CO TIME - 1020		SWEARINGEN SA26T N1198S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 32, 4070 TOTAL HOURS, 450 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - CRAIG MOFFATT DEPARTURE POINT DENVER,CO	INTENDED DESTINATION HAYDEN,CO				
	TYPE OF ACCIDENT COLLIDED WITH SNOWBANK		PHASE OF OPERATION LANDING ROLL			
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS POORLY MAINTAINED RUNWAY SURFACE AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RUNWAY MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0853	3/3/79 TIME - 0952	ASPEN,CO	WESTWIND 1124 N216SC DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 5	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 56, 19664 TOTAL HOURS, 339 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - ASPEN-PITKIN CO

DEPARTURE POINT	INTENDED DESTINATION	PHASE OF OPERATION
DENVER,CO	ASPEN,CO	
TYPE OF ACCIDENT		
GROUND-WATER LOOP-SWERVE		LANDING ROLL
COLLIDED WITH SNOWBANK		LANDING ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS ICE/SLUSH ON RUNWAY

3-3382	5/30/79 TIME - 0310	IDAHO SPRNGS,CO	AEROSPATIAL SA319B N480B5 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 41, 6533 TOTAL HOURS, 62 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT	INTENDED DESTINATION	PHASE OF OPERATION
DENVER,CO	LOCAL	
TYPE OF ACCIDENT		
COLLIDED WITH WIRES/POLES		IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
PILOT IN COMMAND - EXERCISED POOR JUDGMENT
REMARKS- AIR AMBULANCE,PLT FOLLOWING PATROL CAR W LIGHTS ON FOR REFERENCE THRU MTN AREA IN DARK.

3-4005	7/6/79 TIME - 1102	PUEBLO,CO	LEAR JET 25B N40RC DAMAGE-DESTROYED	CR- 2 1 0 PX- 0 0 0	INSTRUCTIONAL CHECK	ATP,FLIGHT INSTR., AGE 38, 9576 TOTAL HOURS, 5456 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PUEBLO MEMORIAL

DEPARTURE POINT	INTENDED DESTINATION	LAST ENROUTE STOP	PHASE OF OPERATION
DENVER,CO	RETURN	PUEBLO,CO	
TYPE OF ACCIDENT			
GROUND-WATER LOOP-SWERVE			LANDING GO-AROUND
COLLISION WITH GROUND/WATER	UNCONTROLLED		LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - CONTROL INTERFERENCE
FACTOR(S)
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN
PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION
REMARKS- PIC'S BOOT END JAMMED IN RUDDER PEDALS,L PEDAL BENT,AD ISSUED TO RPLC HEEL SCUFF PLATES AFT ACDNT.

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3342	7/26/79 TIME - 0950	FT COLLINS,CO	BELL 206B-3 N5008L DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 52, 125 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - WAVERLY DEPARTURE POINT FT COLLINS,CO TYPE OF ACCIDENT HARD LANDING		INTENDED DESTINATION LOCAL	PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE					
3-4010	11/19/79 TIME - 2015	CASTLE ROCK,CO	CESSNA 500 N555AJ DAMAGE-DESTROYED	CR- 1 1 0 PX- 1 0 0	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 29, 1751 TOTAL HOURS, 61 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT ALBUQUERQUE,NM TYPE OF ACCIDENT COLLISION WITH GROUND/WATER		INTENDED DESTINATION CASTLE ROCK,CO UNCONTROLLED	PHASE OF OPERATION LANDING INITIAL APPROACH		
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IFR OPERATION FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - LOW CEILING WEATHER - SNOW WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC. WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION OBSCURATION VISIBILITY AT ACCIDENT SITE 1 MILE OR LESS OBSTRUCTIONS TO VISION AT ACCIDENT SITE BLOWING SNOW WIND DIRECTION-DEGREES 30 TYPE OF WEATHER CONDITIONS IFR FIRE AFTER IMPACT REMARKS- PLT UPGRADED TO L SEAT 6DAYS PRIOR,CO-PLT CERTIFIED 2DAYS PRIOR.			CEILING AT ACCIDENT SITE 500 PRECIPITATION AT ACCIDENT SITE SNOW TEMPERATURE-F 34 WIND VELOCITY-KNOTS 6 TYPE OF FLIGHT PLAN IFR	

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1480	1/17/79 TIME - 1015	OPA LOCKA,FL	SIKORSKY HH52A USCG1376 DAMAGE-DESTROYED	CR- 4 0 0 PX- 0 0 0 OT- 1 0 0	MISCELLANEOUS OTHER PUBLIC	AIRLINE TRANSPORT, AGE 32, 4049 TOTAL HOURS, 1583 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - OPA LOCKA AIRPORT
DEPARTURE POINT — INTENDED DESTINATION
OPA LOCKA,FL — LOCAL
TYPE OF ACCIDENT — PHASE OF OPERATION
COLLISION WITH AIRCRAFT BOTH IN FLIGHT — LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT
PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT
PERSONNEL - TRAFFIC CONTROL PERSONNEL ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS
PERSONNEL - TRAFFIC CONTROL PERSONNEL INADEQUATE SPACING OF AIRCRAFT

SPECIAL DATA
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-US MILITARY
FIRE AFTER IMPACT

3-3159	1/29/79 TIME - 1520	NR.HOMESTEAD,FL	HILLER UH-12E N527HA DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 36, 13657 TOTAL HOURS, 650 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PORT-A-PORT
DEPARTURE POINT — INTENDED DESTINATION
HOMESTEAD,FL — LOCAL
TYPE OF ACCIDENT — PHASE OF OPERATION
COLLIDED WITH BUILDING(S) — TAKEOFF VERTICAL

PROBABLE CAUSE(S)
MISCELLANEOUS - UNDETERMINED
REMARKS- PLT REPORTED CONTROL MALF AFTR LIFT-OFF.NO EVIDENCE OF MECH FAILURE FOUND.

3-1242	2/24/79 TIME - 1630	NR.TAMPA,FL	BELL 206B N16884 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 44, 1461 TOTAL HOURS, 337 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT — INTENDED DESTINATION
TAMPA,FL — LOCAL
TYPE OF ACCIDENT — PHASE OF OPERATION
ENGINE FAILURE OR MALFUNCTION — IN FLIGHT NORMAL CRUISE
ROLL OVER — LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1675	7/9/79 TIME - 0750	SEBRING,FL	LOCKHEED T-33 N12420 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 53, 21556 TOTAL HOURS, 39 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - SEBRING
DEPARTURE POINT
SEBRING,FL
INTENDED DESTINATION
MEMPHIS,TN
TYPE OF ACCIDENT
COLLIDED WITH ANIMALS
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB

PROBABLE CAUSE(S)
PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS POORLY MAINTAINED RUNWAY SURFACE
REMARKS- MISTOOK CLOSED 3000FT TAXIWAY FOR RWY,RWYS ALSO HAD TALL GRASS GROWING UP THRU CONCRETE,HIT COWS.

3-2581	9/7/79 TIME - 1103	ROTONDA,FL	BELL 206B N500GH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 54, 9003 TOTAL HOURS, 1952 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - ROTONDA
DEPARTURE POINT
ROTONDA,FL
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
TAKEOFF VERTICAL

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS

3-2707	9/18/79 TIME - 1513	NR,TAMPA,FL	HAM-FLUGZEU HFB320 N111DC DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 4	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 49, 6096 TOTAL HOURS, 129 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
TAMPA,FL
INTENDED DESTINATION
CHICAGO,IL
TYPE OF ACCIDENT
AIRFRAME FAILURE IN FLIGHT
PHASE OF OPERATION
IN FLIGHT CLIMB TO CRUISE

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
AIRFRAME - FUSELAGE WINDSHIELDS,WINDOWS,CANOPIES
MISCELLANEOUS ACTS,CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - EXPLOSIVE DECOMPRESSION
REMARKS- PILOTS SIDE WINDOW OPENED INFLIGHT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3132	9/19/79 TIME - 0910	JACKSONVILLE,FL	HUGHES 369HS N8623E DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 50, 8043 TOTAL HOURS, 215 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - BERLIN HELIPORT DEPARTURE POINT ST AUGUSTINE,FL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED		INTENDED DESTINATION JACKSONVILLE,FL UNCONTROLLED		PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT	
3-3904	10/2/79 TIME - 1500	NR.PEMBROKE PINES,FL	BELL 206B N2759R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, FL.INSTR., AGE 41, 3040 TOTAL HOURS, 725 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT OPA-LOCKA,FL TYPE OF ACCIDENT HARD LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE		INTENDED DESTINATION BOCA RATON,FL		PHASE OF OPERATION LANDING POWER-ON LANDING	

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3820	8/4/79 TIME - 1530	LEESBURG,GA	AYRES S2R N4004U DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 34, 10582 TOTAL HOURS, 657 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
LESLIE,GA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
STALL
PHASE OF OPERATION
IN FLIGHT PROCEDURE TURNAROUND

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED
FACTOR(S)
WEATHER - UNFAVORABLE WIND CONDITIONS

SKY CONDITION
SCATTERED
CEILING AT ACCIDENT SITE
UNLIMITED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
TEMPERATURE-F
95
WIND DIRECTION-DEGREES
315
WIND VELOCITY-KNOTS
7
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
NONE

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED
KIND OF CROP - OTHER
PILOT'S SEAT BELT - FASTENED-PROPERLY
CRASH HELMET - AVAILABLE USED
TERRAIN-TYPE - LEVEL,FLAT
SWATH RUN-HOW FLOWN - UPWIND
KIND OF OPERATION - SPRAYING CROPS
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC
GOGGLES - USED
TANK/HOPPER-LOCATION - FORWARD OF PILOT
ELEVATION-AREA BEING TREATED-FEET - 150
PROCEDURE TURNAROUND - THIRD 1/3 TURN
REMARKS- SPRAYING PEANUTS,ENCTRD GUST FM REAR DRG ROLL-OUT FM PROC TURN W NOSE DWN,HI SPEED STALL DRG RCVRY

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3824	11/1/79 TIME - 1655	NR,SPRINGFIELD,GA	GRUMMAN G-164 N8057K DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 40, 2900 TOTAL HOURS, 18 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
SAVANNAH,GA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
COLLIDED WITH OBJECT
PHASE OF OPERATION
IN FLIGHT CLEANUP SWATH
LANDING ROLL

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - FUEL SYSTEM FILTERS,STRAINERS,SCREENS
MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
FACTOR(S)
TERRAIN - ROUGH/UNEVEN
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- FUEL INLET SCREEN TO FUEL CONTROLLER BLOCKED BY UNKN(FUZZY)MATERIAL.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3673	12/10/79 TIME - 1650	SEA ISLAND,GA	BELL 206B N59530 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 35, 5866 TOTAL HOURS, 62 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT ST.SIMONS ISLAND,GA		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE IN FLIGHT AUTOROTATIVE DESCENT		
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
3-3830	8/1/79 TIME - 0820	MAKAWAO,MAUI,HI	HUGHES 369D N8697F DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 1 0	COMMERCIAL OTHER	COMMERCIAL, FL.INSTR., AGE 36, 3580 TOTAL HOURS, 78 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT HOSMER JUNCTION,HI		INTENDED DESTINATION MAKAWAO,MAUI,HI			
	TYPE OF ACCIDENT COLLIDED WITH OBJECT			PHASE OF OPERATION IN FLIGHT HOVERING		
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE					
	SKY CONDITION CLEAR			CEILING AT ACCIDENT SITE UNLIMITED		
	VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE		
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 78		
	TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE		
	REMARKS- EXTERNAL LOAD OPERATIONS. TAIL ROTOR STRUCK MOUNTAIN RIDGE. ACFT EXCEED HOVER WT LIMITS BY 271LBS.					

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1774	5/21/79	NR.ST MARIES.ID	HUGHES 369HS	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 34, 2355
	TIME - 1150		N922MR	PX- 3 0 0	AERIAL SURVEY	TOTAL HOURS, 28 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	POST FALLS.ID		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLISION WITH GROUND/WATER CONTROLLED			IN FLIGHT HOVERING		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.					
	FACTOR(S)					
	WEATHER - HIGH DENSITY ALTITUDE					
	WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED					
	SKY CONDITION			CEILING AT ACCIDENT SITE		
	SCATTERED			UNLIMITED		
	VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE		
	5 OR OVER(UNLIMITED)			NONE		
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F		
	NONE			69		
	WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS		
	290			9		
	TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN		
	VFR			NONE		
	REMARKS- DA APRX 7700FT.					
3-2676	10/8/79	NR.SWAN VALLEY.ID	AEROSPATIAL SA315B	CR- 1 0 0	COMMERCIAL	COMMERCIAL, AGE 32, 3534
	TIME - 1138		N219RM	PX- 1 0 0	CONSTRUCTION	TOTAL HOURS, 597 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	SWAN VALLEY.ID		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH OBJECT			IN FLIGHT NORMAL CRUISE		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	FACTOR(S)					
	PILOT IN COMMAND - PHYSICAL IMPAIRMENT					
	TERRAIN - HIGH OBSTRUCTIONS					
	FIRE AFTER IMPACT					
	REMARKS- SNAGGED SLING IN TREES,OBLITERATIVE ARTERIOSCLEROSIS,LEFT CORONARY ARTERY.					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2845	11/26/79 TIME - 1515	NR.STANLEY,ID	HILLER ACFT UH-12E N571H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 30, 7026 TOTAL HOURS, 483 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
STANLEY,ID
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - FUEL SYSTEM FUEL CONTROL
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY SECURED
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- B NUT FITTINGS LOOSE.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0515	2/24/79 TIME - 1424	WEST CHICAGO,IL	SWEARINGEN SA26T N211CC DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	ATP,FLIGHT INSTR., AGE 32, 6680 TOTAL HOURS, 373 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - DUPAGE COUNTY
DEPARTURE POINT
WEST CHICAGO,IL
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
GEAR RETRACTED
PHASE OF OPERATION
TAKEOFF RUN

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT
DUAL STUDENT - INADVERTENTLY RETRACTED GEAR

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1132	4/2/79 TIME - 1456	PEKIN,IL	HUGHES 369D N8629F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 1 0 0	COMMERCIAL MAPPING/PHOTO	ATP,FLIGHT INSTR., AGE 40, 6484 TOTAL HOURS, 1410 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
SPRING BOY,IL
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER CONTROLLED
PHASE OF OPERATION
IN FLIGHT LOW PASS

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE
MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING
REMARKS- PIC INTENTIONALLY ATTEMPTED FLT UNDER PWR LINES.

BEST DOCUMENT AVAILABLE

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2390	4/27/79 TIME - 1009	CHICAGO,IL	BEECH 65-A90 N5JR DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 48, 28405 TOTAL HOURS, 515 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - O'HARE INTL
DEPARTURE POINT: CHICAGO,IL
INTENDED DESTINATION: ATTICA,IN
TYPE OF ACCIDENT: ENGINE FAILURE OR MALFUNCTION; DITCHING
PHASE OF OPERATION: IN FLIGHT CLIMB TO CRUISE; LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - FUEL SYSTEM PUMPS
MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER
REMARKS- RT ENG,S/N PCE-20870,FAILED DUE TO FUEL PUMP DECOUPLING FM DRIVE TRAIN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3532	6/9/79 TIME - 1451	CHICAGO,IL	BEECH 99 N454SA DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 27, 2195 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - MERRILL C MEIGS
DEPARTURE POINT: CHICAGO,IL
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER UNCONTROLLED
PHASE OF OPERATION: LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS
PILOT IN COMMAND - SPATIAL DISORIENTATION
FACTOR(S)
WEATHER - LOW CEILING
WEATHER - FOG
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION: OBSCURATION
CEILING AT ACCIDENT SITE: 400
VISIBILITY AT ACCIDENT SITE: 1 MILE OR LESS
PRECIPITATION AT ACCIDENT SITE: NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE: FOG
TEMPERATURE-F: 60
WIND DIRECTION-DEGREES: 20
WIND VELOCITY-KNOTS: 12
TYPE OF WEATHER CONDITIONS: IFR
TYPE OF FLIGHT PLAN: SPECIAL VFR
REMARKS- PIECES OF WRECKAGE RECOVERED,MAIN STRUCTURE OF ACFT NOT RECOVERED,PLT PRESUMED FATALLY INJURED.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1237	5/28/79 TIME - 1836	INDIANAPOLIS,IN	BELL 206-11 N27554 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 33, 5571 TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - METHODIST HPTL PD
DEPARTURE POINT: INDIANAPOLIS,IN — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: COLLIDED WITH FENCE,FENCEPOSTS
PHASE OF OPERATION: LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - SUNGLARE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3906	8/5/79 TIME - 1750	INDIANAPOLIS,IN	BEECH C-90 N6040M DAMAGE-DESTROYED	CR- 0 1 0 PX- 1 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 61, 12463 TOTAL HOURS, 30 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT: CONCORDIA,KS — INTENDED DESTINATION: INDIANAPOLIS,IN
TYPE OF ACCIDENT: ENGINE FAILURE OR MALFUNCTION; COLLIDED WITH TREES
PHASE OF OPERATION: LANDING TRAFFIC PATTERN-CIRCLING; LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
FACTOR(S)
POWERPLANT - POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE
MISCELLANEOUS ACTS,CONDITIONS - ERRATIC
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-2 ENGINES
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- PWR SCHEDULE PLT USED EXCEEDED MAX STRUCTURAL CRUISING SPD.INCREASED FUEL CONSMPTN RATE 100LBS/HR.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1081	3/23/79 TIME - 2053	CEDAR RAPIDS,IA	BEECH E18S N201GW DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 37, 7257 TOTAL HOURS, 170 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - CEDAR RAPIDS MUNI
DEPARTURE POINT
CEDAR RAPIDS,IA
INTENDED DESTINATION
SPRINGFIELD,IL
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
STALL MUSH
PHASE OF OPERATION
TAKEOFF RUN
TAKEOFF INITIAL CLIMB

PROBABLE CAUSE(S)
PILOT IN COMMAND - EXERCISED POOR JUDGMENT
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
PILOT IN COMMAND - FAILED TO ABORT TAKEOFF
FACTOR(S)
PILOT IN COMMAND - PHYSICAL IMPAIRMENT
MISCELLANEOUS ACTS,CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS ICE/SLUSH ON RUNWAY
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RUNWAY
WEATHER - SNOW
WEATHER - UNFAVORABLE WIND CONDITIONS
MISCELLANEOUS ACTS,CONDITIONS - AIRFRAME ICE
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
OBSCURATION
CEILING AT ACCIDENT SITE
500
VISIBILITY AT ACCIDENT SITE
2 MILES OR LESS
PRECIPITATION AT ACCIDENT SITE
SNOW
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG
RELATIVE BEARING OF WIND
HEAD WIND 338-022 DEGREES
TEMPERATURE-F
34
WIND DIRECTION-DEGREES
330
WIND VELOCITY-KNOTS
22
TYPE OF WEATHER CONDITIONS
IFR
TYPE OF FLIGHT PLAN
IFR
FIRE AFTER IMPACT
REMARKS- 2IN SLUSH & SNOW ON RWY.PLT BLOOD ALCOHOL LEVEL .035%.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3624	12/7/79 TIME - 2145	NR.BAXTER.IA	AEROSPATLE 3198 N90825 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 4083 TOTAL HOURS, 366 IN TYPE. INSTRUMENT RATED.

DEPARTURE POINT
BAXTER.IA
INTENDED DESTINATION
DES MOINES.IA
TYPE OF ACCIDENT
MISCELLANEOUS
HARD LANDING
PHASE OF OPERATION
IN FLIGHT HOVERING
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
MISCELLANEOUS - UNDETERMINED
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT
SUSPECTED MECHANICAL DISCREPANCY
AIRFRAME BUFFET
REMARKS- PLT RPRTD-CYCLIC CONTROL HARDOVER DRG STABILIZED HOVER AT SFT.RUTOR BLADE HIT TAIL BOOM DRG LNDG.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3973	6/29/79 TIME - 0730	JOHNSON.KS	INTERCEPTOR SUPER N10347 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	ATP,FLIGHT INSTR., AGE 44, 12005 TOTAL HOURS, 1 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - STANTON COUNTY MU
DEPARTURE POINT
JOHNSON.KS
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
GEAR COLLAPSED
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
POWERPLANT - FUEL SYSTEM FUEL CONTROL
MISCELLANEOUS ACTS,CONDITIONS - WRONG PART
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- CRUSHABLE WASHERS INSTALLED BETWEEN MAIN/DRIVE BODIES.

BEST DOCUMENT AVAILABLE

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2769	8/3/79 TIME - 2125	HAYS,KS	MITSUBISHI MU-2B N208MA DAMAGE-DESTROYED	CR- 1 0 0 PX- 6 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 34, 2168 TOTAL HOURS, 140 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - HAYS MUNICIPAL
DEPARTURE POINT: SALINA,KS — INTENDED DESTINATION: DENVER,CO
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
STALL MUSH
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING GO-AROUND

PROBABLE CAUSE(S)
POWERPLANT - COMPRESSOR ASSEMBLY BEARING,ROTOR SHAFT
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT
FIRE AFTER IMPACT
REMARKS- FORWARD MAIN SHAFT BEARING,SN P61208,FAILED.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3107	4/12/79 TIME - 0735	NR,CAMERON,LA	BELL 206B N59A27 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 36, 2654 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: GRAN CHENIER,LA — INTENDED DESTINATION: CAMERON,LA
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
COLLISION WITH GROUND/WATER UNCONTROLLED
PHASE OF OPERATION
LANDING FINAL APPROACH
LANDING FINAL APPROACH

PROBABLE CAUSE(S)
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER
REMARKS- PWR LOSS DRG APCH TO PLATFORM,UN TO STOP DESCENT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1807	4/28/79 NR.CAMERON,LA TIME - 0928		BELL 206L N16779 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 38, 3332 TOTAL HOURS, 1366 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT INTERCOASTAL CITY,LA		INTENDED DESTINATION HIGH ISLAND 309			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY BLADE,COMPRESSOR ROTOR POWERPLANT - MISCELLANEOUS FOREIGN OBJECT DAMAGE MISCELLANEOUS ACTS,CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- FOREIGN OBJECT UNDETERMINED,PLT UNABLE TO USE FULL COLLECTIVE DUE TO INTERFERENCE BY SURVIVE POUCH					
3-0884	5/17/79 SORRENTO,LA TIME - 1000		BELL 206B N203AL DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 4626 TOTAL HOURS, 2642 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT NEW ORLEANS,LA		INTENDED DESTINATION ST FRANCISVILLE,LA			
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM MISCELLANEOUS ACTS,CONDITIONS - OVERHEATED MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- DRIVESHAFT ASSEMBLY,PART 206040-120-13,FAILED DUE TO LOSS OF GREASE FROM FORWARD BOOT.					

BEST DOCUMENT AVAILABLE

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2100	6/3/79 TIME - 0635	NR.MORGAN CITY,LA	BELL 206B N14852 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 2 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 39, 3050 TOTAL HOURS, 970 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
MORGAN CITY,LA
INTENDED DESTINATION
LOCAL

TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
COLLIDED WITH OBJECT

PHASE OF OPERATION
LANDING POWER-ON LANDING
LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
POWERPLANT - TURBINE ASSEMBLY BLADE,TURBINE WHEEL
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.
REMARKS- COLLIDED WITH OFFSHORE LANDING PLATFORM

3-1909	6/12/79 TIME - 0615	NR.VENICE,LA	BELL 206B N16710 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 48, 3725 TOTAL HOURS, 925 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PHI HELIPORT
DEPARTURE POINT
VENICE,LA
INTENDED DESTINATION
SP 62 OFFSHORE PLATF

TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING

PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER
REMARKS- SKIDS POPOUT FLOATS AND ENGINE OPERATED SATISFACTORILY AFTER ACCIDENT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1006	6/17/79	NR.BELL ROSE.LA	BELL 206B	CR- 0 0 1	COMMERCIAL	AIRLINE TRANSPORT, AGE 35, 1391 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1530		N4830	PX- 0 0 3	POWER/PIPELINE	
			DAMAGE-SUBSTANTIAL			

NAME OF AIRPORT - CANE AIR
DEPARTURE POINT: BELL ROSE,LA — INTENDED DESTINATION: BATON ROUGE,LA
TYPE OF ACCIDENT: ENGINE FAILURE OR MALFUNCTION; HARD LANDING
PHASE OF OPERATION: LANDING FINAL APPROACH; LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - FUEL SYSTEM PUMPS
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
FACTOR(S)
TERRAIN - WET,SOFT GROUND
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- FUEL PUMP DRIVE SHAFT,P/N 102-1416-01,SPLINE END SHOWED EXCESSIVE WEAR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0912	6/18/79	NEW ORLEANS,LA	MITSUBISHI MU-2B	CR- 0 0 1	NONCOMMERCIAL	COMMERCIAL, AGE 51, 6450 TOTAL HOURS, 450 IN TYPE, INSTRUMENT RATED.
	TIME - 1831		N222LR	PX- 1 0 1	BUSINESS	
			DAMAGE-SUBSTANTIAL			

NAME OF AIRPORT - LAKEFRONT
DEPARTURE POINT: DECATUR,ALA — INTENDED DESTINATION: NEW ORLEANS,LA
TYPE OF ACCIDENT: PROPELLER/ROTOR ACCIDENT TO PERSON
PHASE OF OPERATION: STATIC IDLING ENGINE(S)

PROBABLE CAUSE(S)
PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER
MISCELLANEOUS ACTS,CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT
REMARKS- URINE ALCOHOL 235 MG PERCENT

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1412	7/17/79	CUT OFF,LA	BELL 206B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 25, 3300 TOTAL HOURS, 710 IN TYPE, INSTRUMENT RATED.
	TIME - 1230		N4715R	PX- 0 0 0	AIR TAXI-CARGO	
			DAMAGE-SUBSTANTIAL	OT- 1 2 4		

DEPARTURE POINT: CUT OFF,LA — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: ROLL OVER
PHASE OF OPERATION: IN FLIGHT HOVERING

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2191	8/8/79 TIME - 1350	NR.INTRACSTL CITY.LA	BELL 206B N90171 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 29, 957 TOTAL HOURS, 93 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - VERMILION BLK 39A
DEPARTURE POINT
INTRACSTL CITY.LA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ROLL OVER
PHASE OF OPERATION
TAXI OTHER

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS
PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT
REMARKS- ROLLED OVER ON HELIPORT AFTER PLT OPENED DOOR FOR VENTILATION & WAS WATCHING MECH.COMP FLT PLAN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1911	8/11/79 TIME - 1320	NR.MORGAN CITY.LA	BELL 206B N5018F DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 40, 3139 TOTAL HOURS, 802 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
SO MARSH IS BLOCK 23
INTENDED DESTINATION
MORGAN CITY.LA
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER UNCONTROLLED
PHASE OF OPERATION
IN FLIGHT UNCONTROLLED DESCENT

PROBABLE CAUSE(S)
PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS
PILOT IN COMMAND - SPATIAL DISORIENTATION
FACTOR(S)
WEATHER - THUNDERSTORM ACTIVITY
WEATHER BRIEFING - UNKNOWN/NOT REPORTED
WEATHER FORECAST - UNKNOWN/NOT REPORTED

SKY CONDITION
UNKNOWN/NOT REPORTED
CEILING AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
VISIBILITY AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
PRECIPITATION AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
TYPE OF WEATHER CONDITIONS
IFR
TYPE OF FLIGHT PLAN
NONE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1420	8/15/79	WATERPROOF,LA	ROCKWELL S-2R	CR- 1 0 0	COMMERCIAL	COMMERCIAL, AGE 35, 15000
	TIME - 1545		N4251X	PX- 0 0 0	AERIAL APPLICATION	TOTAL HOURS, 1827 IN
			DAMAGE-DESTROYED			TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	WATERPROOF,LA		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH TREES			IN FLIGHT FLAREOUT FOR SWATH RUN		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	SPECIAL DATA					
	TOTAL HOURS IN CROP CONTROL - 9999			KIND OF OPERATION - SPRAYING CROPS		
	KIND OF CROP - BEANS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC		
	PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - USED		
	GOGGLES - NOT USED			CRASH HELMET - AVAILABLE USED		
	COCKPIT CRASHPAD - NOT INSTALLED			CRASH BAR - INSTALLED		
	TANK/HOPPER-LOCATION - FORWARD OF PILOT			TERRAIN-TYPE - LEVEL,FLAT		
	ELEVATION-AREA BEING TREATED-FEET - 25			SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED		
	PROCEDURE TURNAROUND - THIRD 1/3 TURN					
3-2942	9/6/79	HACKBERRY,LA	BELL 47G-4A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 37, 2042
	TIME - 1045		N7104J	PX- 0 0 2	OTHER	TOTAL HOURS, 122 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	GUN COVE,LA		HACKBERRY,LA			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	ENGINE FAILURE OR MALFUNCTION			IN FLIGHT NORMAL CRUISE		
	HARD LANDING			LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING					
	PILOT IN COMMAND - MISMANAGEMENT OF FUEL					
	MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION					
	FACTOR(S)					
	TERRAIN - WET,SOFT GROUND					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- SOIL SURVEY,LANDED IN MARSH AREA W SMALL SHRUBS.					
3-2511	9/18/79	PATTERSON,LA	BELL 206B	CR- 0 0 1	NONCOMMERCIAL	COMMERCIAL, AGE 51, 4819
	TIME - 1240		N1554L	PX- 0 0 0	CORP/EXEC	TOTAL HOURS, 478 IN TYPE,
			DAMAGE-SUBSTANTIAL			INSTRUMENT RATED.
	NAME OF AIRPORT - OFFSHORE HELIPORT					
	DEPARTURE POINT		INTENDED DESTINATION			
	PATTERSON,LA		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH FENCE,FENCEPOSTS			TAXI AERIAL TAXI, OTHER		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	REMARKS- TAIL ROTOR STRUCK GUARD RAIL DRG HOVER.					

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE DATE LOCATION AIRCRAFT DATA INJURIES F S M/N FLIGHT PURPOSE PILOT DATA

3-2099 9/25/79 NR.MORGAN CITY,LA
TIME - 0930
BELL 212
N49673
DAMAGE-SUBSTANTIAL
CR- 0 0 1 COMMERCIAL
PX- 0 0 1 AIR TAXI-PASSG
AIRLINE TRANSPORT, AGE 31, 3838 TOTAL HOURS, 186 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - PNT & SHIP SOAL
DEPARTURE POINT
MORGAN CITY,LA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH OBJECT
PHASE OF OPERATION
TAXI AERIAL TAXI TO/FROM LANDING
PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - DISREGARD OF GOOD OPERATING PRACTICE
WEATHER - UNFAVORABLE WIND CONDITIONS
SKY CONDITION
CLEAR
CEILING AT ACCIDENT SITE
UNLIMITED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
HAZE
WIND DIRECTION-DEGREES
360
WIND VELOCITY-KNOTS
20
TYPE OF FLIGHT PLAN
NONE
TYPE OF WEATHER CONDITIONS
VFR
REMARKS- COLLIDED WITH LANDING PLATFORM DURING REVERSE HOVER. WIND GUSTING TO 25KTS.

3-2512 10/4/79 NR.ALEXANDRIA,LA
TIME - 1915
AERO COMDR 680W
N713SP
DAMAGE-DESTROYED
CR- 0 0 1 NONCOMMERCIAL
PX- 0 0 2 CORP/EXEC
COMMERCIAL, AGE 33, 1841 TOTAL HOURS, 31 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
PENSACOLA,FL
INTENDED DESTINATION
FORT WORTH,TX
TYPE OF ACCIDENT
FIRE OR EXPLOSION IN FLIGHT
GEAR COLLAPSED
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING ROLL
PROBABLE CAUSE(S)
MISCELLANEOUS - UNDETERMINED
FACTOR(S)
MISCELLANEOUS - SMOKE IN COCKPIT
MISCELLANEOUS ACTS,CONDITIONS - FIRE IN CABIN,COCKPIT,BAGGAGE COMPARTMENT
MISCELLANEOUS ACTS,CONDITIONS - FIRE OF UNDETERMINED ORIGIN
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
SMOKE IN COCKPIT
REMARKS- LNDD SAFELY ON PASTURE,ACFT EXPLODED & BURNED IMMEDIATELY AFTERWARDS.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2937	10/9/79 LAKE CHARLES,LA TIME - 0733		BELL 206L N5018N DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 32, 4188 TOTAL HOURS, 81 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT LAKE CHARLES,LA		INTENDED DESTINATION SULFUR,LA			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
	PROBABLE CAUSE(S) POWERPLANT - TURBINE ASSEMBLY WHEEL TURBINE MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- NO.1 TURBINE,PN 6898991,SN 51956,FAILED.ACFT DESTROYED BY FIRE AFTER SAFE LNDG.					
3-3320	10/11/79 ABBEVILLE,LA TIME - 1008		HUGHES 369D N58240 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 33, 2586 TOTAL HOURS, 354 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - ABBEVILLE DEPARTURE POINT ABBEVILLE,LA		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY SHAFT,ROTOR MISCELLANEOUS ACTS,CONDITIONS - FRICTION,EXCESSIVE MISCELLANEOUS ACTS,CONDITIONS - OVERHEATED MISCELLANEOUS ACTS,CONDITIONS - DISTORTED FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- TURBINE TO COMPRESSOR COUPLING TWISTED & BULGED AGAINST INNER COUPLING SHAFT.					
3-2944	11/29/79 NR.INTRACSTL CITY,LA TIME - 0725		SIKORSKY S-76A N476AL DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 6580 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT PATTERSON,LA		INTENDED DESTINATION SABINE,TX			
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
	PROBABLE CAUSE(S) AIRFRAME - FUSELAGE OTHER MISCELLANEOUS - FOREIGN OBJECT DAMAGE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT REMARKS- LEFT COWL ASSEMBLY,ENG AIR INLET,PN 76302-67001-055,COLLIDED W ROTOR BLADES & RGT HRZNTL STAB.					

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2940	12/19/79 TIME - 0940	WESTWEGO,LA	HUGHES 369D N58270 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 40, 2318 TOTAL HOURS, 274 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
WESTWEGO,LA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
PROPELLER/ROTOR FAILURE TAIL ROTOR
HARD LANDING
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC.EQUIPMENT
MISCELLANEOUS ACTS,CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
SUSPECTED OR KNOWN AIRCRAFT DAMAGE
DIRECTIONAL CONTROL PROBLEM
REMARKS- EXTERNAL LOAD(EMPTY SLING IN BUNDLE)BECAME UNRAVELED & STRUCK TAIL ROTOR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0442	12/22/79 TIME - 0135	NR.LEEVILLE,LA	BEECH 65-90 N724N DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	MISCELLANEOUS UNKNOWN/NOT REPORTED	COMMERCIAL, FL.INSTR., AGE 43, 2404 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
HOUSTON,TX
INTENDED DESTINATION
TAMPA,FL
TYPE OF ACCIDENT
AIRFRAME FAILURE IN FLIGHT
PHASE OF OPERATION
IN FLIGHT UNCONTROLLED DESCENT

PROBABLE CAUSE(S)
PILOT IN COMMAND - SPATIAL DISORIENTATION
PILOT IN COMMAND - EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT
FACTOR(S)
PERSONNEL - WEATHER PERSONNEL INADEQUATE/INCORRECT WEATHER BRIEFING
WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.
AIRFRAME - FLIGHT CONTROL SURFACES HORIZONTAL STABILIZER, ATTACHMENTS
AIRFRAME - WINGS SPARS
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE
WEATHER FORECAST - WEATHER SLIGHTLY WORSE THAN FORECAST

SKY CONDITION
OVERCAST
CEILING AT ACCIDENT SITE
5000
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
TEMPERATURE-F
63
WIND DIRECTION-DEGREES
110
WIND VELOCITY-KNOTS
8
TYPE OF WEATHER CONDITIONS
IFR
TYPE OF FLIGHT PLAN
IFR

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3024	12/26/79 TIME - 1140	NR.INTRACSTL CY.LA	AEROSPATLE AS-350 N3594R DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 36, 4974 TOTAL HOURS, 102 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - VERMILION 329
DEPARTURE POINT
INTRACSTL CY.LA
INTENDED DESTINATION
HOUMA,LA
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER
CONTROLLED
PHASE OF OPERATION
TAKEOFF VERTICAL

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
REMARKS- PLT STATED-DID NOT RESET PARTIALLY RETARDED PWR LEVER PRIOR TO TKOF.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3964	11/18/79 TIME - 1637	BANGOR,ME	BEECH 99 N983MA DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 13	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	ATP,FLIGHT INSTR., AGE 25, 3909 TOTAL HOURS, 2235 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - BANGOR
DEPARTURE POINT
BANGOR,ME
INTENDED DESTINATION
PORTLAND,ME
TYPE OF ACCIDENT
HARD LANDING
PHASE OF OPERATION
TAKEOFF ABORTED

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.
REMARKS- ACFT PITCHED UP AFTR TKOF.OVER MAX GWT.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2872	2/23/79 TIME - 1958	BALTIMORE, MD	PIPER PA-31T N6123A DAMAGE-DESTROYED	CR- 2 0 0 PX- 1 1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 46, 6522 TOTAL HOURS, 136 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - BLT-WASH INTL

DEPARTURE POINT
LYNCHBURG,VA

INTENDED DESTINATION
BALTIMORE, MD

TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
COLLISION WITH GROUND/WATER UNCONTROLLED

PHASE OF OPERATION
LANDING FINAL APPROACH
LANDING FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER IFR OPERATION
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS

FACTOR(S)
WEATHER - LOW CEILING
WEATHER - FOG

WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE

WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
OBSCURATION

CEILING AT ACCIDENT SITE
200

VISIBILITY AT ACCIDENT SITE
1/4 MILE OR LESS

PRECIPITATION AT ACCIDENT SITE
DRIZZLE

OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG

TEMPERATURE-F
40

WIND DIRECTION-DEGREES
70

WIND VELOCITY-KNOTS
7

TYPE OF WEATHER CONDITIONS
BELOW MINIMUMS

TYPE OF FLIGHT PLAN
IFR

FIRE AFTER IMPACT

REMARKS- HIT WIRES ORG APCH TO MARTIN ARPT,DIVERTED TO BWI TRAILING 1500FT OF WIRE.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0162	2/7/79 TIME - 2136	BOSTON,MA	CESSNA 500 N186MW DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-D	AIRLINE TRANSPORT, AGE 49, 7780 TOTAL HOURS, 742 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - LOGAN INTL
DEPARTURE POINT
BOSTON,MA
INTENDED DESTINATION
DETROIT,MI
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
COLLIDED WITH OBJECT
PHASE OF OPERATION
TAKEOFF RUN
TAKEOFF ABORTED

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
WEATHER - SNOW
WEATHER - LOW CEILING
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
OBSCURATION
VISIBILITY AT ACCIDENT SITE
1 MILE OR LESS
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
BLOWING SNOW
TEMPERATURE-F
19
WIND VELOCITY-KNOTS
11
TYPE OF FLIGHT PLAN
IFR
FIRE AFTER IMPACT
CEILING AT ACCIDENT SITE
800
PRECIPITATION AT ACCIDENT SITE
SNOW
RELATIVE BEARING OF WIND
LEFT QUARTERING TAIL WIND 203-247 DEGREES
WIND DIRECTION-DEGREES
350
TYPE OF WEATHER CONDITIONS
IFR
REMARKS- PILOT ENCOUNTERED BLOWING SNOW ON TAKE-OFF, HIT TAXIWAY SIGN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2718	7/12/79 TIME - 1000	EVELETH,MN	PIPER PA-31T N6192A DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 36, 1920 TOTAL HOURS, 178 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - EVELETH-VIRGINIA
DEPARTURE POINT
DULUTH,MN
INTENDED DESTINATION
EVELETH,MN
TYPE OF ACCIDENT
WHEELS-UP
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1045	6/11/79 TIME - 2152	ST LOUIS,MO	DEHAVILLAND DH 104 N906MW DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-0	ATP,FLIGHT INSTR., AGE 27, 4032 TOTAL HOURS, 651 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - LAMBERT
DEPARTURE POINT: KANSAS CITY,MO
INTENDED DESTINATION: ST LOUIS,MO
TYPE OF ACCIDENT: GEAR RETRACTED
PHASE OF OPERATION: LANDING ROLL

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)
AIRFRAME - LANDING GEAR NORMAL RETRACTION/EXTENSION ASSEMBLY
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY INSTALLED
MISCELLANEOUS ACTS,CONDITIONS - CHAFED
REMARKS- PNEUMATIC LINE TO DOWN PORT ON NLG ACTUATOR CHAFED THROUGH.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0172	1/15/79 TIME - 2351	MISSOULA,MT	HANDLY-PAGE HP-137 N14RJ DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 2	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-0	AIRLINE TRANSPORT, AGE 50, 15725 TOTAL HOURS, 317 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - MISSOULA COUNTY
DEPARTURE POINT: MISSOULA,MT
INTENDED DESTINATION: KALISPELL,MT
TYPE OF ACCIDENT: GROUND-WATER LOOP-SWERVE; COLLIDED WITH SNOWBANK
PHASE OF OPERATION: TAKEOFF RUN; TAKEOFF RUN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RUNWAY
PERSONNEL - AIRPORT SUPERVISORY PERSONNEL FAILURE TO NOTIFY OF UNSAFE COND/AND OR FAILURE TO MARK OBSTRUCTION
PERSONNEL - AIRPORT SUPERVISORY PERSONNEL IMPROPER/INADEQUATE SNOW REMOVAL
PERSONNEL - AIRWAYS FACILITIES PERSONNEL FAILURE TO ISSUE NOTAM
REMARKS- LH MAIN WHEEL ENC R IN SNOW BERM ON RUNWAY AT VR SPD.CREW NOT AWARE RWY NOT FULLY PLOWED.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1214	4/19/79 TIME - 1345	NR.DARBY,MT	BELL 214B-1 N22ARM DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 42, 5114 TOTAL HOURS, 1745 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: DARBY,MT
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: AIRFRAME FAILURE IN FLIGHT
PHASE OF OPERATION: IN FLIGHT OTHER

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - JETTISONED LOAD
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT
REMARKS- EXTERNAL LOAD OVER MAX GROSS WT. PLT JETTISONED LOG.M/R BLADES FLEXED INTO & SEPARATED TAIL BOOM.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4011	8/24/79 TIME - 0930	NR.HAMILTON,MT	KAMAN HH-43F N4524 DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 25, 1710 TOTAL HOURS, 1010 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - LOGGING SITE
DEPARTURE POINT: HAMILTON,MT
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: ENGINE FAILURE OR MALFUNCTION; COLLIDED WITH TREES
PHASE OF OPERATION: IN FLIGHT HOVERING; LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM ENGINE DRIVE SHAFT
MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- PWRSHAFT,PN 1-100-620-01,FAILED,FATIGUE CRACK END IN AREA OF HVY WEAR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1591	8/28/79 TIME - 1100	ARSAROKEE,MT	BELL 206B N5013C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 25, 1150 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: ARSAROKEE,MT
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: MISCELLANEOUS
PHASE OF OPERATION: IN FLIGHT HOVERING

PROBABLE CAUSE(S)
PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL DEFICIENCY,COMPANY MAINTAINED EQPMT,SERVICES,REGULATION
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - JETTISONED LOAD
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT
SUSPECTED OR KNOWN AIRCRAFT DAMAGE
REMARKS- UNINFORMED PLT FLEW OVER DYNAMITE BLAST,LND OK. COMPANY RADIO TO ACFT WAS AVAIL. HAD SLING LOAD.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0046	1/4/79 TIME - 1530	NR.MINDEN,NV	HUGHES 369C N9141F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 28, 2548 TOTAL HOURS, 600 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - DOUGLAS COUNTY
DEPARTURE POINT: MINDEN,NV
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: HARD LANDING
PHASE OF OPERATION: TAXI AERIAL TAXI, OTHER

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED ALTITUDE
REMARKS- PRACTICE HOVERING AUTOROTATION.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2957	11/7/79	NR.NELLS,NV	AEROSPATILE 315B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 36, 4340
	TIME - 1500		N3593Z	PX- 0 0 0	OTHER	TOTAL HOURS, 652 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	NELLS,NV		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	MISCELLANEOUS			IN FLIGHT HOVERING		
	HARD LANDING			LANDING LEVEL OFF/TOUCHDOWN		
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS					
	MISCELLANEOUS ACTS,CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS					
	FIRE AFTER IMPACT					
	REMARKS- STRINGING PWR LINE,ATTACHING DEVICE FAILED ALLOWING PULL LINE TO SNAP BACK,WRAP ARND ROTOR BLADES.					
3-0629	1/22/79	CONCORD,NH	LOCKHEED L-1329	CR- 0 0 3	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1100		N5541L	PX- 0 0 2	CORP/EXEC	45, 8400 TOTAL HOURS, 575
			DAMAGE-SUBSTANTIAL			IN TYPE, INSTRUMENT
						RATED.
	NAME OF AIRPORT - CONCORD					
	DEPARTURE POINT		INTENDED DESTINATION			
	WESTCHESTER,NY		CONCORD,NH			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	GROUND-WATER LOOP-SWERVE			LANDING ROLL		
	COLLIDED WITH SNOWBANK			LANDING ROLL		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS					
	FACTOR(S)					
	AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW WINDROWS					
	AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS ICE/SLUSH ON RUNWAY					
3-3170	9/11/79	MERRIMACK,NH	BELL 206B	CR- 0 0 1	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1201		N90022	PX- 0 0 4	BUSINESS	33, 4315 TOTAL HOURS,
			DAMAGE-SUBSTANTIAL			2461 IN TYPE, INSTRUMENT
						RATED.
	NAME OF AIRPORT - MERRIMACK HELI					
	DEPARTURE POINT		INTENDED DESTINATION			
	MERRIMACK,NH		MAYNARD,MA			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	ENGINE FAILURE OR MALFUNCTION			TAKEOFF INITIAL CLIMB		
	COLLISION WITH GROUND/WATER CONTROLLED			LANDING LEVEL OFF/TOUCHDOWN		
	PROBABLE CAUSE(S)					
	POWERPLANT - FUEL SYSTEM FUEL CONTROL					
	MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE					
	FACTOR(S)					
	TERRAIN - OTHER					
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- HELICOPTER CRASHED IN POND NR HELIPORT,PC LINE FAILED AT FUEL CONTROL.					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3911	7/21/79 TIME - 1019	ALPINE,NJ	BELL 206B N711GT DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 30, 3690 TOTAL HOURS, 1800 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
WHITE PLAINS,NY
INTENDED DESTINATION
BERGEN,NJ
TYPE OF ACCIDENT
AIRFRAME FAILURE IN FLIGHT
PROPELLER/ROTOR FAILURE TAIL ROTOR
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
SYSTEMS - OTHER SYSTEMS OTHER
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES
MISCELLANEOUS ACTS,CONDITIONS - OUT OF BALANCE
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT
REMARKS- ELT ANT SEPD DUE TO FATIGUE,TAIL ROTOR GROOVES MATCH ELT ANT,TAIL ROTOR GEAR BOX STUDS FAILED.

3-3657	10/18/79 TIME - 1600	TRENTON,NJ	HUGHES 369D N501RP DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 36, 5447 TOTAL HOURS, 415 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - MERCER CO
DEPARTURE POINT
TRENTON,NJ
INTENDED DESTINATION
PISCATAWAY,NJ
TYPE OF ACCIDENT
PROPELLER/ROTOR FAILURE TAIL ROTOR
COLLISION WITH GROUND/WATER CONTROLLED
PHASE OF OPERATION
IN FLIGHT HOVERING
LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
REMARKS- T/R DRIVE SHAFT COUPLING P/N 369H92564-D,MANUFACTURER'S P/N 19E149,FAILED.

3-0628	1/26/79 TIME - 1200	TAOS,NM	HAWKER-SDLY 125 N3MF DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 8	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 36, 8335 TOTAL HOURS, 60 IN TYPE, INSTRUNENT RATED.

NAME OF AIRPORT - TAOS MUNI
DEPARTURE POINT
BARTLESVILLE,OK
INTENDED DESTINATION
TAOS,NM
TYPE OF ACCIDENT
HARD LANDING
COLLIDED WITH SNOWBANK
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER LEVEL OFF
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1487	3/22/79 TIME - 1300	NR.TULAROSA,NM	HILLER UH-12D N94AP DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 31, 3889 TOTAL HOURS, 315 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
TULAROSA,NM
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
IN FLIGHT SWATH RUN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
FACTOR(S)
PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND SIGNALMAN

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED
KIND OF CROP - OTHER
PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
GOGGLES - NOT USED
COCKPIT CRASHPAD - NOT INSTALLED
TANK/HOPPER-LOCATION - BELLY
ELEVATION-AREA BEING TREATED-FEET - 4300
PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN
KIND OF OPERATION - SPRAYING CROPS
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC
GLOVES - USED
CRASH HELMET - AVAILABLE USED
CRASH BAR - NOT INSTALLED
TERRAIN-TYPE - LEVEL,FLAT
SWATH RUN-HOW FLOWN - CROSSWIND

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3524	5/16/79 TIME - 0945	GOBERADOR,NM	BELL 206B N16859 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 7997 TOTAL HOURS, 4835 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
GOBERADOR,NM
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - FUEL SYSTEM LINES AND FITTINGS
MISCELLANEOUS ACTS,CONDITIONS - LOOSE,PART/FITTING
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
REMARKS- B-NUT ON HOSE ASSY,PN 70-010V000V142 LOOSE,MAIN ROTOR RPM DROPPED WHILE CLRG OBSTN,CO FLT PLN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3912	6/24/79 TIME - 1602	GOBERNADOR,NM	BELL 206B N1AR1D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 43, 5890 TOTAL HOURS, 3867 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
GOBERNADOR,NM
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
ROLL OVER
PHASE OF OPERATION
IN FLIGHT DESCENDING
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
FACTOR(S)
WEATHER - HIGH DENSITY ALTITUDE
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

SKY CONDITION
SCATTERED
CEILING AT ACCIDENT SITE
UNLIMITED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
TEMPERATURE-F
68
WIND DIRECTION-DEGREES
270
WIND VELOCITY-KNOTS
5
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
VFR FLIGHT FOLLOWING SERVICE
REMARKS- D/A APPROX 9000FT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3418	10/10/79 TIME - 1830	NR.ALBUQUERQUE,NM	HUGHES 500C N9186F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 33, 10500 TOTAL HOURS, 3500 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
ALBUQUERQUE,NM
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - FUEL SYSTEM FILTERS,STRAINERS,SCREENS
MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED
POWERPLANT - FUEL SYSTEM OTHER
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- HI-PRESS FILTER HVLY CONTAMINATED,FILTER BY-PASS VALVE SWITCH FAILED.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3965	10/23/79 TIME - 1445	NR.RUIDOSO,NM	SOLOY 47G N7828S DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 43, 4000 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: RUIDOSO,NM
INTENDED DESTINATION: RUIDOSO,NM
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER UNCONTROLLED
PHASE OF OPERATION: IN FLIGHT OTHER

PROBABLE CAUSE(S)
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS
FACTOR(S)
PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC.EQUIPMENT
FIRE AFTER IMPACT
REMARKS- TOWING ROPE FRM TWRS ACROSS HWY.HELO BECAME UNSTABLE.ROPE INVLVMNT OF UNDTRMD ORIG.REL BFR IMPACT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3573	5/18/79 TIME - 1515	ROME,NY	HAWKER DH-125 N55G DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 5	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 45, 9236 TOTAL HOURS, 3000 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - GRIFFISS AFB
DEPARTURE POINT: AKRON,OH.
INTENDED DESTINATION: BEDFORD,MA
TYPE OF ACCIDENT: WHEELS-UP
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR NORMAL RETRACTION/EXTENSION ASSEMBLY
MISCELLANEOUS ACTS.CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM
FACTOR(S)
MISCELLANEOUS ACTS.CONDITIONS - LANDED ON FOAMED RUNWAY
REMARKS- RWY FOAMED.UPLOCK SPRING STRUT,P/N 25UMA21A,SEIZED DUE LACK OF LUBRICATION.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1455	6/1/79 TIME - 1535	NEW YORK,NY	AGUSTA 109A N516KA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 32, 2175 TOTAL HOURS, 140 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PAN AM HELIPORT
DEPARTURE POINT: TERENTON NJ
INTENDED DESTINATION: NEW YORK,NY
TYPE OF ACCIDENT: AIRFRAME FAILURE ON GROUND
PHASE OF OPERATION: LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)
AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY,STRUTS,ATTACHMENTS,ETC.
MISCELLANEOUS ACTS.CONDITIONS - EXCESSIVE PRESSURE
MISCELLANEOUS ACTS.CONDITIONS - GROUND RESONANCE
REMARKS- LDG STRUTS INFLATED TO 200 PSI,SHOULD HAVE HAD 99 PSI.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3940	7/7/79 TIME - 1740	NR.HUNTER,NY	HUGHES 369HS N90A2F DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 2 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 54, 1645 TOTAL HOURS, 235 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - PRIVATE HELIPAD
DEPARTURE POINT: HUNTER,NY — INTENDED DESTINATION: LINDEN,NJ
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER — CONTROLLED — PHASE OF OPERATION: TAKEOFF VERTICAL

PROBABLE CAUSE(S)
PILOT IN COMMAND - EXERCISED POOR JUDGMENT
REMARKS- PIC ATTEMPTED NEAR VERTICAL TAKEOFF WITH 3 PAX ABOARD.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3963	10/6/79 TIME - 1610	OLD WESTBURY,NY	BELL 206B N3500M DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 32, 4788 TOTAL HOURS, 460 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT: EAST HAMPTON,NY — INTENDED DESTINATION: NEW YORK CITY,NY
TYPE OF ACCIDENT: AIRFRAME FAILURE IN FLIGHT — PHASE OF OPERATION: IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM
FIRE AFTER IMPACT
REMARKS- THE LOWER CLEVIS ADJUSTMENT BARREL OF THE PITCH CHANGE ROD WAS NOT RECOVERED.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2817	7/1/79 TIME - 1715	MINOT,ND	SWEARINGEN SA26AT N711SA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 8	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 32, 2808 TOTAL HOURS, 12 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - MINOT INTL

DEPARTURE POINT
REGINA,CANADA

INTENDED DESTINATION
OKLAHOMA CITY,OK

LAST ENROUTE STOP
MINOT,ND

TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
GEAR COLLAPSED

PHASE OF OPERATION
LANDING ROLL
LANDING ROLL

PROBABLE CAUSE(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS POORLY MAINTAINED RAMP/TAXIWAY SURFACE
MISCELLANEOUS ACTS,CONDITIONS - HYDROPLANING ON WET RUNWAY

FACTOR(S)
WEATHER - RAIN
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE

WEATHER BRIEFING - BRIEFING RECEIVED-METHOD UNKNOWN

WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
OBSCURATION

CEILING AT ACCIDENT SITE
UNKNOWN/NOT REPORTED

VISIBILITY AT ACCIDENT SITE
1/2 MILE OR LESS

PRECIPITATION AT ACCIDENT SITE
RAIN, THUNDERSTORM

OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG

RELATIVE BEARING OF WIND
HEAD WIND 338-022 DEGREES

TEMPERATURE-F
65

WIND DIRECTION-DEGREES
130

WIND VELOCITY-KNOTS
14

TYPE OF WEATHER CONDITIONS
IFR

TYPE OF FLIGHT PLAN
IFR

REMARKS- 3 TO 5 INCHES WATER ON RUNWAY,DRAINAGE SYSTEM INOPERATIVE IN CONST AREA NR RWY.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1743	1/24/79 TIME - 1330	YOUNGSTOWN,OH	LEAR JET 240 N744JC DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 31, 6295 TOTAL HOURS, 613 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - YOUNGSTOWN MUNI

DEPARTURE POINT
MEMPHIS,TN

INTENDED DESTINATION
YOUNGSTOWN,OH

TYPE OF ACCIDENT
GEAR COLLAPSED

PHASE OF OPERATION
LANDING ROLL

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY,STRUTS,ATTACHMENTS,ETC.
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE

REMARKS- R MAIN GEAR UPPER STRUT(CYL FORGING)FRACTURED AT FWD & REAR TRUNNION AREAS,PLT RPRT SMOOTH LNDG.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2487	4/27/79 TIME - 1150	ELYRIA,OH	PIPER PA-31T N822R2 DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	ATP,FLIGHT INSTR., AGE 44, 3510 TOTAL HOURS, 8 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - LORAIN COUNTY
DEPARTURE POINT: ELYRIA,OH
INTENDED DESTINATION: ELYRIA,OH
LAST ENROUTE STOP: AKRON CANTON,OH
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER; UNCONTROLLED
PHASE OF OPERATION: LANDING; GO-AROUND

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT
COPILOT - IMPROPER OPERATION OF FLIGHT CONTROLS
COPILOT - MISUSED OR FAILED TO USE FLAPS
FACTOR(S)
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT
MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS
REMARKS- WITNESSES DESCRIBED SF GO-AROUND,FLAPS DOWN,ENG WINDMILLING.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3886	10/1/79 TIME - 0803	COLUMBUS,OH	AERO COMDR 690 N57233 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 50, 18341 TOTAL HOURS, 2175 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - OHIO STATE UNIV
DEPARTURE POINT: LOUISVILLE,KY
INTENDED DESTINATION: COLUMBUS,OH
TYPE OF ACCIDENT: COLLIDED WITH FENCE,FENCEPOSTS
PHASE OF OPERATION: LANDING; FINAL APPROACH

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER IFR OPERATION
FACTOR(S)
WEATHER - FOG
WEATHER BRIEFING - UNKNOWN/NOT REPORTED
WEATHER FORECAST - UNKNOWN/NOT REPORTED

SKY CONDITION: PARTIAL OBSCURATION
CEILING AT ACCIDENT SITE: UNLIMITED
VISIBILITY AT ACCIDENT SITE: 3/4 MILE OR LESS
PRECIPITATION AT ACCIDENT SITE: NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE: FOG
TYPE OF WEATHER CONDITIONS: IFR
TYPE OF FLIGHT PLAN: IFR
FIRE AFTER IMPACT

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2276	10/17/79 TIME - 0930	PIQUA,OH	MITSUBISHI MU-2B N855Q DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 54, 13960 TOTAL HOURS, 625 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PIQUA
DEPARTURE POINT: INDIANAPOLIS,IN
INTENDED DESTINATION: PIQUA,OH
TYPE OF ACCIDENT: WHEELS-UP
PHASE OF OPERATION: LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - CHECKLIST-FAILED TO USE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0609	2/17/79 TIME - 1245	TULSA,OK	BEECH C-45H N45L DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	AIRLINE TRANSPORT, AGE 28, 6123 TOTAL HOURS, 146 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - TULSA INT'L
DEPARTURE POINT: SHREVEPORT,LA
INTENDED DESTINATION: TULSA,OK
TYPE OF ACCIDENT: COLLIDED WITH SNOWBANK
PHASE OF OPERATION: TAXI FROM LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RAMP/TAXIWAY

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0467	2/23/79 TIME - 1445	NR.SPRINGFIELD,OR	HILLER ACFT UH-12E N545HA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 28, 2587 TOTAL HOURS, 124 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
SPRINGFIELD,OR
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH OBJECT
ROLL OVER
PHASE OF OPERATION
LANDING POWER-ON LANDING
LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.
PILOT IN COMMAND - MISJUDGED CLEARANCE
FACTOR(S)
WEATHER - LOW CEILING
WEATHER - FOG
WEATHER BRIEFING - UNKNOWN/NOT REPORTED
WEATHER FORECAST - UNKNOWN/NOT REPORTED
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT
ADVERSE/UNFAVORABLE WEATHER

SKY CONDITION
PARTIAL OBSCURATION
CEILING AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
VISIBILITY AT ACCIDENT SITE
1/2 MILE OR LESS
PRECIPITATION AT ACCIDENT SITE
RAIN
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG
TEMPERATURE-F
40
WIND DIRECTION-DEGREES
135
WIND VELOCITY-KNOTS
5
TYPE OF WEATHER CONDITIONS
IFR
TYPE OF FLIGHT PLAN
NONE
REMARKS- EMPTY SLING LOAD BUCKET CAUGHT ON SKID. NO ENG MALFUNCTION FOUND.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0570	3/24/79 TIME - 1000	FRIEND,OR	HILLER ACFT UH-12E N175HA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 52, 13762 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
FRIEND,OR
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
IN FLIGHT SWATH RUN

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - 9999
KIND OF CROP - GRAIN FIELDS
PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
GOGGLES - NOT USED
COCKPIT CRASHPAD - NOT INSTALLED
TANK/HOPPER-LOCATION - BELLY
ELEVATION-AREA BEING TREATED-FEET - 2500
KIND OF OPERATION - SPRAYING CROPS
TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC
GLOVES - NOT USED
CRASH HELMET - AVAILABLE USED
CRASH BAR - NOT INSTALLED
TERRAIN-TYPE - ROLLING
SWATH RUN-HOW FLOWN - WIND CALM

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1767	5/11/79	INDEPENDENCE,OR	HILLER ACFT UH-12E	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 28, 2200
	TIME - 0730		N161HA	PX- 0 0 0	ASSOC CROP CTL ACTIVITY	TOTAL HOURS, 700 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.

NAME OF AIRPORT - INDEPENDENCE

DEPARTURE POINT: INDEPENDENCE,OR — INTENDED DESTINATION: LOCAL

TYPE OF ACCIDENT
- PROPELLER/ROTOR FAILURE MAIN ROTOR
- COLLISION WITH GROUND/WATER UNCONTROLLED

PHASE OF OPERATION
- TAKEOFF INITIAL CLIMB
- IN FLIGHT UNCONTROLLED DESCENT

PROBABLE CAUSE(S)
- ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES
- MISCELLANEOUS ACTS,CONDITIONS - CORRODED/CORROSION
- MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
- MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED

FACTOR(S)
- PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
- MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED

SPECIAL DATA
- TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED
- KIND OF CROP - GRAIN FIELDS
- PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
- GOGGLES - NOT USED
- COCKPIT CRASHPAD - INSTALLED
- TANK/HOPPER-LOCATION - BELLY
- ELEVATION-AREA BEING TREATED-FEET - 160
- KIND OF OPERATION - SPRAYING CROPS
- TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC
- GLOVES - NOT USED
- CRASH HELMET - AVAILABLE USED
- CRASH BAR - NOT INSTALLED
- TERRAIN-TYPE - LEVEL,FLAT

REMARKS- INCIDENCE PUSH ROD END BEARING FAILED AT OUTER SHELL DRG TRANSLATION LIFT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1207	5/18/79	NR.ISLAND CITY,OR	BELL 206B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, FL.INSTR.,
	TIME - 0545		N59520	PX- 0 0 0	AERIAL APPLICATION	AGE 34, 4521 TOTAL HOURS,
			DAMAGE-DESTROYED			103 IN TYPE, NOT INSTRU-
						MENT RATED.

DEPARTURE POINT: LA GRANDE,OR — INTENDED DESTINATION: LOCAL

TYPE OF ACCIDENT
- COLLIDED WITH WIRES/POLES

PHASE OF OPERATION
- IN FLIGHT SWATH RUN

PROBABLE CAUSE(S)
- PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS

SPECIAL DATA
- TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED
- KIND OF CROP - GRAIN FIELDS
- PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
- GOGGLES - USED
- COCKPIT CRASHPAD - NOT INSTALLED
- TANK/HOPPER-LOCATION - BELLY
- ELEVATION-AREA BEING TREATED-FEET - 2700
- KIND OF OPERATION - SPRAYING CROPS
- TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC
- GLOVES - USED
- CRASH HELMET - AVAILABLE USED
- CRASH BAR - NOT INSTALLED
- TERRAIN-TYPE - LEVEL,FLAT
- SWATH RUN-HOW FLOWN - WIND CALM

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3095	7/25/79 TIME - 1730	NR.RAY CITY,OR	HUGHES 369D N58184 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, FL.INSTR., AGE 34, 2136 TOTAL HOURS, 910 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
RAY CITY,OR

INTENDED DESTINATION
LOCAL

TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
ROLL OVER

PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - FUEL SYSTEM FUEL CONTROL
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
FACTOR(S)
TERRAIN - ROUGH/UNEVEN
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- LND STEEP DOWNSLOPE.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2999	11/7/79 TIME - 0945	NR.AMITY,OR	BELL 206A N6212N DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-I	COMMERCIAL, FL.INSTR., AGE 31, 4686 TOTAL HOURS, 365 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
AMITY,OR

INTENDED DESTINATION
LOCAL

TYPE OF ACCIDENT
MISCELLANEOUS
COLLISION WITH GROUND/WATER UNCONTROLLED

PHASE OF OPERATION
IN FLIGHT OTHER
IN FLIGHT UNCONTROLLED DESCENT

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION
SYSTEMS - ELECTRICAL SYSTEM RELAYS AND WIRING
MISCELLANEOUS ACTS,CONDITIONS - GROUNDED
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED
REMARKS- EXTERNAL LOAD DRAGGED GRND. PLT UN RELEASE LOAD DUE LOWER HOOK MALFUNCTION.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3098	12/17/79 TIME - 1208	NR.MILL CITY,OR	AEROSPATLE SA315B N55963 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	AIRLINE TRANSPORT, AGE 39, 5495 TOTAL HOURS, 130 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
MILL CITY,OR
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH OBJECT
PHASE OF OPERATION
IN FLIGHT HOVERING

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
PILOT IN COMMAND - MISJUDGED CLEARANCE
FACTOR(S)
PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN

SPECIAL DATA
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED
KIND OF CROP - FOREST-TREES
PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED
GOGGLES - NOT USED
COCKPIT CRASHPAD - NOT INSTALLED
TANK/HOPPER-LOCATION - SLING LOADED
KIND OF OPERATION - FERTILIZING (DUST)
TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC
GLOVES - NOT USED
CRASH HELMET - AVAILABLE USED
CRASH BAR - NOT INSTALLED
REMARKS- M/R BLADES HIT TRACTOR BUCKET DURING FERTILIZER BUCKET REPAIR OPNS.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0964	1/31/79 TIME - 1026	READING,PA	BEECH C45 N346V DAMAGE-SUBSTANTIAL	CR- 0 1 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	ATP,FLIGHT INSTR., AGE 30, 3003 TOTAL HOURS, 40 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - READING MUNI
DEPARTURE POINT
NEWBURGH,NY
INTENDED DESTINATION
JAMAICA,NY
LAST ENROUTE STOP
READING,PA
TYPE OF ACCIDENT
WHEELS-UP
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR NORMAL RETRACTION/EXTENSION ASSEMBLY
AIRFRAME - LANDING GEAR EMERGENCY/EXTENSION ASSEMBLY
MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED
FACTOR(S)
PILOT IN COMMAND - SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND
MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND
REMARKS- UN EXTEND GR FOR UNDETERMINED REASON,EMERG GR EXTENSION CHAIN OFF SPROCKET.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0190	2/12/79 TIME - 1620	BUTLER,PA	SWEARINGEN SA26AT N52LF DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 33, 6930 TOTAL HOURS, 2148 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - BUTLER-GRAHAM
DEPARTURE POINT
NEW CUMBERLAND,PA
INTENDED DESTINATION
BUTLER,PA
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
COLLIDED WITH SNOWBANK
PHASE OF OPERATION
LANDING ROLL
LANDING ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RUNWAY
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW WINDROWS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1977	4/4/79 TIME - 1330	SIPESVILLE,PA	BELL 206B N70RA DAMAGE-DESTROYED	CR- 2 0 0 PX- 2 0 0	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 35, 172 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
LATROBE,PA
INTENDED DESTINATION
HOLSOPPLE,PA
TYPE OF ACCIDENT
TURBULENCE
COLLIDED WITH TREES
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS
FACTOR(S)
WEATHER - LOW CEILING
WEATHER - RAIN
WEATHER - FOG
WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS
TERRAIN - HIGH OBSTRUCTIONS
WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT
MISSING AIRCRAFT - LATER RECOVERED

SKY CONDITION
OVERCAST
CEILING AT ACCIDENT SITE
500
VISIBILITY AT ACCIDENT SITE
3 MILES OR LESS
PRECIPITATION AT ACCIDENT SITE
RAIN
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
TEMPERATURE-F
36
WIND DIRECTION-DEGREES
150
WIND VELOCITY-KNOTS
6
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
NONE
REMARKS- RECOVERY DATE 4/05/79.DPTD LATROBE ARPT.PEAK WIND GUSTS 56KTS. REPORTED SEVERE TURB IN AREA.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3424	7/14/79	PHILADELPHIA,PA	BELL 206B	CR- 0 1 0	COMMERCIAL	COMMERCIAL, AGE 35, 6967
	TIME - 0956		N1443W	PX- 2 0 0	MAPPING/PHOTO	TOTAL HOURS, 767 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	PHILADELPHIA,PA		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	PROPELLER/ROTOR FAILURE MAIN ROTOR			IN FLIGHT HOVERING		
	COLLISION WITH GROUND/WATER CONTROLLED			LANDING LEVEL OFF/TOUCHDOWN		
	PROBABLE CAUSE(S)					
	ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR DRIVE SHAFT					
	MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM					
	MISCELLANEOUS ACTS,CONDITIONS - OVERHEATED					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- MAIN DRIVE SHAFT COUPLING(PN 206 040-108-005)FAILED,LUBRICANT LOST FOR UNKN RSN.					
3-3863	10/23/79	PHILADELPHIA,PA	AEROSPATLE SA341G	CR- 0 0 1	NONCOMMERCIAL	PRIVATE, AGE 43, 1480
	TIME - 1719		N119SF	PX- 0 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 60 IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.
	NAME OF AIRPORT - PHILADELPHIA INTL					
	DEPARTURE POINT		INTENDED DESTINATION			
	PHILADELPHIA,PA		POTTSTOWN,PA			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	ENGINE FAILURE OR MALFUNCTION			IN FLIGHT CLIMB TO CRUISE		
	HARD LANDING			LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S)					
	POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS					
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.					
	FIRE AFTER IMPACT					
3-0944	5/26/79	BLUNT,SD	NA ROCKWELL S-2R	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 42, 18000
	TIME - 1700		N8501V	PX- 0 0 0	AERIAL APPLICATION	TOTAL HOURS, 600 IN TYPE,
			DAMAGE-MINOR	OT- 1 0 0		INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	PIERRE,SD		LOCAL			
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH FLAGMAN,LOADER			IN FLIGHT STARTING SWATH RUN		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	SPECIAL DATA					
	TOTAL HOURS IN CROP CONTROL - 9999			KIND OF OPERATION - SPRAYING CROPS		
	KIND OF CROP - GRAIN FIELDS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC		
	PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - NOT USED		
	GOGGLES - NOT USED			CRASH HELMET - AVAILABLE USED		
	COCKPIT CRASHPAD - INSTALLED			CRASH BAR - INSTALLED		
	TANK/HOPPER-LOCATION - FORWARD OF PILOT			TERRAIN-TYPE - LEVEL,FLAT		
	ELEVATION-AREA BEING TREATED-FEET - 1700			SWATH RUN-HOW FLOWN - WIND CALM		

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0003	2/24/79 TIME - 0040	MEMPHIS,TN	BEECH 3NM N12VT DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0 OT- 0 0 3	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 37, 7300 TOTAL HOURS, 120 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - MEMPHIS INTL
DEPARTURE POINT
CEDAR RAPIDS,IA
INTENDED DESTINATION
MEMPHIS,TN
LAST ENROUTE STOP
SPRINGFIELD,IL
TYPE OF ACCIDENT
COLLISION WITH AIRCRAFT BOTH ON GROUND
PHASE OF OPERATION
TAXI FROM LANDING

PROBABLE CAUSE(S)
PERSONNEL - TRAFFIC CONTROL PERSONNEL ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS
FIRE AFTER IMPACT

3-3668	11/1/79 TIME - 2141	NASHVILLE,TN	MITSUBISHI MU-2F N8730 DAMAGE-DESTROYED	CR- 2 0 0 PX- 3 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 24, 1498 TOTAL HOURS, 661 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - NASHVILLE METRO
DEPARTURE POINT
CHATTANOOGA,TN
INTENDED DESTINATION
NASHVILLE,TN
TYPE OF ACCIDENT
UNDERSHOOT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
LANDING FINAL APPROACH
LANDING FINAL APPROACH

PROBABLE CAUSE(S)
COPILOT - MISJUDGED DISTANCE AND ALTITUDE
PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - CHECKLIST-FAILED TO USE
PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL DEFICIENCY,COMPANY MAINTAINED EQPMT,SERVICES,REGULATION
MISCELLANEOUS ACTS,CONDITIONS - PILOT FATIGUE
WEATHER - FOG
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
CLEAR
CEILING AT ACCIDENT SITE
UNLIMITED
VISIBILITY AT ACCIDENT SITE
3 MILES OR LESS
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
GROUND FOG
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
IFR
FIRE AFTER IMPACT
REMARKS- PLTS SCHEDULED FOR 18-20 HR CREW TIME ROUTINELY,AUTO PLT FOUND ON,TRIM 10DEG NOSE DOWN.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-05RA	1/16/79	HOUSTON,TX	BEECH C90	CR- 1 1 0	NONCOMMERCIAL	COMMERCIAL, AGE 46, 7389
	TIME - 0800		N88CR	PX- 0 1 0	CORP/EXEC	TOTAL HOURS, 1442 IN
			DAMAGE-DESTROYED			TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - ANDRAU AIRPARK

DEPARTURE POINT	INTENDED DESTINATION
HOUSTON,TX	LOCAL

TYPE OF ACCIDENT	PHASE OF OPERATION
ENGINE FAILURE OR MALFUNCTION	LANDING GO-AROUND
COLLISION WITH GROUND/WATER UNCONTROLLED	LANDING GO-AROUND

PROBABLE CAUSE(S)
- POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
- PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED

FACTOR(S)
- WEATHER - LOW CEILING

COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION	CEILING AT ACCIDENT SITE
OVERCAST	400
VISIBILITY AT ACCIDENT SITE	PRECIPITATION AT ACCIDENT SITE
1 MILE OR LESS	NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE	TEMPERATURE-F
FOG	49
WIND DIRECTION-DEGREES	WIND VELOCITY-KNOTS
100	9
TYPE OF WEATHER CONDITIONS	TYPE OF FLIGHT PLAN
IFR	IFR

FIRE AFTER IMPACT
REMARKS- WX AT AIRPORTS NEAR ANDRAU A/P 400 TO 600FT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0167	2/3/79	NR.SALT FLAT,TX	AEROSPATIAL 350C	CR- 0 0 1	MISCELLANEOUS	COMMERCIAL, AGE 54, 5000
	TIME - 1430		N49556	PX- 0 0 1	FERRY	TOTAL HOURS, 250 IN TYPE,
			DAMAGE-SUBSTANTIAL			INSTRUMENT RATED.

DEPARTURE POINT	INTENDED DESTINATION
DEMING,NM	MIDLAND,TX

TYPE OF ACCIDENT	PHASE OF OPERATION
ENGINE FAILURE OR MALFUNCTION	IN FLIGHT NORMAL CRUISE
HARD LANDING	LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
- POWERPLANT - TURBINE ASSEMBLY BEARING,SHAFT
- MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
- TERRAIN - HIGH OBSTRUCTIONS

COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1297	2/26/79 TIME - 0922	HOUSTON,TX	SWEARINGEN SA26AT N345T DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS TEST	AIRLINE TRANSPORT, AGE 55, 11428 TOTAL HOURS, 3405 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - HOBBY
DEPARTURE POINT: HOUSTON,TX
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT:
- COLLIDED WITH RUNWAY OR APPROACH LIGHTS — PHASE OF OPERATION: TAKEOFF ABORTED
- GEAR COLLAPSED — PHASE OF OPERATION: TAKEOFF ABORTED

PROBABLE CAUSE(S)
- PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS
- PILOT IN COMMAND - DELAYED ACTION IN ABORTING TAKEOFF

FACTOR(S)
- MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1039	3/9/79 TIME - 1320	ANGLETON,TX	HUGHES 369D N58333 DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 42, 6150 TOTAL HOURS, 400 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: LAKE JACKSON,TX
INTENDED DESTINATION: COLUMBIA LAKES,TX
TYPE OF ACCIDENT:
- COLLIDED WITH WIRES/POLES — PHASE OF OPERATION: IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
- PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
- MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING

FIRE AFTER IMPACT

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2620	4/26/79 TIME - 1600	NR.SABINE PASS,TX	AEROSPATILE SA365C N90049 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 7	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 4304 TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - JEFFERSON COUNTY
DEPARTURE POINT: SABINE PASS,TX
INTENDED DESTINATION: GULF OF MEXICO
TYPE OF ACCIDENT:
- PROPELLER/ROTOR FAILURE TAIL ROTOR — PHASE OF OPERATION: IN FLIGHT NORMAL CRUISE
- HARD LANDING — PHASE OF OPERATION: LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
- PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN
- ROTORCRAFT - ROTOR ASSEMBLIES OTHER
- MISCELLANEOUS ACTS,CONDITIONS - VIBRATION,EXCESSIVE

FACTOR(S)
- MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT
- PILOT IN COMMAND - MISJUDGED ALTITUDE

EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT
DIRECTIONAL CONTROL PROBLEM
SUSPECTED OR KNOWN AIRCRAFT DAMAGE

REMARKS- FENESTRON GEARBOX SUPPORT RING FAILED,EMERG PROC FOR LOSS OF YAW CNTL ON SKID EQPD ACFT NOT PRVDD.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2560	5/6/79 TIME - 1730	HOUSTON,TX	BELL 206B N2HJ DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 2	NONCOMMERCIAL CORP/EXEC	CERTIFICATE UNKNOWN, AGE 35, 9500 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT: HOUSTON,TX — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: COLLISION WITH GROUND/WATER; UNCONTROLLED — PHASE OF OPERATION: TAXI; AERIAL TAXI, OTHER

PROBABLE CAUSE(S)
PILOT IN COMMAND - LEFT AIRCRAFT UNATTENDED, ENGINE RUNNING
MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT
REMARKS- PLT DEPLANED TO MOVE ANOTHER HELO,THEN OBSERVED THIS HELO APRX 35FT IN THE AIR.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1707	5/21/79 TIME - 1330	NR,GALVESTON,TX	BOLKOW BO105C N90755 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 30, 4985 TOTAL HOURS, 496 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - BRAZOS A13
DEPARTURE POINT: GALVESTON,TX — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: ROLL OVER — PHASE OF OPERATION: STATIC; STARTING ENGINE(S)

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER STARTING PROCEDURES
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - GUST LOCKS ENGAGED
REMARKS- ENG RUN-UP W CYCLIC STICK LOCKED AT FLAT PITCH,ACFT ROCKED BACK,TAIL ROTOR HIT DECK,CO FLT PLAN.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1140	5/31/79 TIME - 1042	SAN MARCOS,TX	SWEARINGEN SA226 N5654M DAMAGE-SUBSTANTIAL	CR- 0 0 4 PX- 0 0 0	MISCELLANEOUS EXPERIMENTATION	AIRLINE TRANSPORT, AGE 46, 5300 TOTAL HOURS, 6 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - SAN MARCOS MUNI
DEPARTURE POINT: SAN MARCOS,TX — INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: HARD LANDING; GEAR COLLAPSED — PHASE OF OPERATION: LANDING; LEVEL OFF/TOUCHDOWN; LANDING; ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS
PILOT IN COMMAND - IMPROPER LEVEL OFF
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
REMARKS- FAA FLIGHT TEST PILOT AT CONTROLS.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1690	7/18/79 TIME - 1730	SABINE,TX	BELL 206B N78535 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 40, 5121 TOTAL HOURS, 370 IN TYPE. NOT INSTRUMENT RATED.

NAME OF AIRPORT - PHI HELIPORT
DEPARTURE POINT: SABINE,TX
INTENDED DESTINATION: LOCAL
TYPE OF ACCIDENT: HARD LANDING
PHASE OF OPERATION: LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED ALTITUDE

3-1696	8/6/79 TIME - 1300	MIDLAND,TX	SWEARINGEN SA26AT N939WR DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 30, 4848 TOTAL HOURS, 650 IN TYPE. INSTRUMENT RATED.

NAME OF AIRPORT - MIDLAND REGIONAL
DEPARTURE POINT: MIDLAND,TX
INTENDED DESTINATION: SAN ANGELO,TX
TYPE OF ACCIDENT: GEAR COLLAPSED
PHASE OF OPERATION: LANDING ROLL

PROBABLE CAUSE(S)
AIRFRAME - LANDING GEAR NORMAL RETRACTION/EXTENSION ASSEMBLY
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
REMARKS- BRASS THREADS FAILED IN GEAR ACTUATOR JACK SCREW.

3-2552	8/18/79 TIME - 1630	HOUSTON,TX	BELL 206B N7111J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL,INSTR.., AGE 31, 2228 TOTAL HOURS. 745 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT: HOUSTON,TX
INTENDED DESTINATION: GALVESTON,TX
TYPE OF ACCIDENT: COLLIDED WITH WIRES/POLES
PHASE OF OPERATION: TAXI AERIAL TAXI TO TAKEOFF

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
REMARKS- TAIL ROTOR STRUCK WIRE DRG HOVER TAXI UNDER WIRE.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2541	9/3/79 TIME - 1712	LAREDO,TX	BEECH 65-90 N332K DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS TEST	AIRLINE TRANSPORT, AGE 33, 6000 TOTAL HOURS, 400 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - LAREDO INTL
DEPARTURE POINT
LAREDO,TX
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
WHEELS-UP
PHASE OF OPERATION
IN FLIGHT CLIMB TO CRUISE
LANDING LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
MISCELLANEOUS ACTS,CONDITIONS - INTENTIONAL WHEELS-UP
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

3-2104	9/8/79 TIME - 1330	LAGRANGE,TX	BELL 206B N280C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 43, 3500 TOTAL HOURS, 150 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
LAGRANGE,TX
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH WIRES/POLES
PHASE OF OPERATION
IN FLIGHT LOW PASS

PROBABLE CAUSE(S)
PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER

3-2622	10/5/79 TIME - 1643	HOUSTON,TX	HUGHES 369D N5819J DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 1203 TOTAL HOURS, 486 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
HOUSTON,TX
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
ROLL OVER
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2556	10/9/79 TIME - 1646	DALLAS,TX	HUGHES 369D N8611F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL,INSTR., AGE 32, 2830 TOTAL HOURS, 378 IN TYPE, NOT INSTRU- MENT RATED.

DEPARTURE POINT
DALLAS,TX
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE
FACTOR(S)
POWERPLANT - POWERPLANT-INSTRUMENTS OTHER
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- LOW LEVEL FUEL WARNING SYS INOP DUE TO FAILURE OF DIODE, PN 2N3638.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3244	11/26/79 TIME - 0555	NR,POST OAK,TX	MITSUBISHI MU-2B N234MA DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL BUSINESS	AIRLINE TRANSPORT, AGE 39, 11274 TOTAL HOURS, 1045 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
JACKSON,MS
INTENDED DESTINATION
ARDMORE,OK
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER UNCONTROLLED
PHASE OF OPERATION
IN FLIGHT UNCONTROLLED DESCENT

PROBABLE CAUSE(S)
PILOT IN COMMAND - PHYSICAL IMPAIRMENT
MISCELLANEOUS ACTS,CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT
FACTOR(S)
MISCELLANEOUS ACTS,CONDITIONS - PILOT FATIGUE
REMARKS- BLOOD ALCOHOL LVL-170MG PERCENT,NO SLEEP IN 48HRS,CRASHED ON AUTO-PLT HDG,HYPERACTIVE DOG ABD.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3869	12/2/79 TIME - 1835	SAN ANGELO,TX	PIPER PA-31T N444JW DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 32, 5680 TOTAL HOURS, 470 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - MAHIS FIELD
DEPARTURE POINT
DALLAS,TX
INTENDED DESTINATION
SAN ANGELO,TX
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
NOSE OVER/DOWN
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING GO-AROUND

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS
PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND
FIRE AFTER IMPACT

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3256	11/30/79 NR.PROVO,UT TIME - 1630	AEROSPATIAL SA316B N2304P DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST		COMMERCIAL, AGE 36, 6920 TOTAL HOURS, 790 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
PROVO,UT
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
IN FLIGHT AUTOROTATIVE DESCENT
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - FUEL SYSTEM OTHER
MISCELLANEOUS ACTS,CONDITIONS - OPEN
MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- ELECTRICAL SHORT IN TWO-THIRDS MICROSWITCH CAUSED FUEL TO BE SHUT OFF.

3-3693	12/21/79 PROVO,UT TIME - 1758	MITSUBISHI MU-2B N200BR DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL CORP/EXEC		AIRLINE TRANSPORT, AGE 47, 12833 TOTAL HOURS, 1785 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - PROVO MUNI
DEPARTURE POINT
DENVER,CO.
INTENDED DESTINATION
PROVO,UT.
TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER CONTROLLED
PHASE OF OPERATION
LANDING TRAFFIC PATTERN-CIRCLING

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
PILOT IN COMMAND - IMPROPER IFR OPERATION
PILOT IN COMMAND - MISJUDGED ALTITUDE
FACTOR(S)
WEATHER - RAIN
MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT

SKY CONDITION
OVERCAST
CEILING AT ACCIDENT SITE
1500
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
RAIN
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
TEMPERATURE-F
37
WIND DIRECTION-DEGREES
330
WIND VELOCITY-KNOTS
6
TYPE OF WEATHER CONDITIONS
IFR
TYPE OF FLIGHT PLAN
IFR
REMARKS- RWY LGTS NOT ACTIVATED BY PLT,PLT CRCD EAST WHEN RWY NOT SITED.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0230	2/23/79	BLACKSBURG,VA	HILLER 1100	CR- 0 0 1	MISCELLANEOUS	PRIVATE, AGE 29, 265
	TIME - 1035		N30VA	PX- 0 0 0	POLICE PATROL	TOTAL HOURS, ALL IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.

NAME OF AIRPORT - VPI

DEPARTURE POINT
BLACKSBURG,VA

INTENDED DESTINATION
LOCAL

TYPE OF ACCIDENT
COLLISION WITH GROUND/WATER

CONTROLLED

PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE

PROBABLE CAUSE(S)
PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL

FACTOR(S)
WEATHER - LOW CEILING
WEATHER - FOG

SKY CONDITION
OVERCAST

CEILING AT ACCIDENT SITE
200

VISIBILITY AT ACCIDENT SITE
1/4 MILE OR LESS

PRECIPITATION AT ACCIDENT SITE
NONE

OBSTRUCTIONS TO VISION AT ACCIDENT SITE
FOG

TYPE OF WEATHER CONDITIONS
IFR

TYPE OF FLIGHT PLAN
NONE

REMARKS- FLEW INTO FOG BANK.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3443	9/19/79	CHAMPLAIN,VA	HILLER FH1100	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 38, 1500
	TIME - 0945		N421FH	PX- 0 1 0	AIR TAXI-PASSG	TOTAL HOURS, 700 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.

DEPARTURE POINT
CLINTON,MD

INTENDED DESTINATION
RICHMOND,VA

TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING

PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISMANAGEMENT OF FUEL
MISCELLANEOUS ACTS,CONDITIONS - MISCALCULATED FUEL CONSUMPTION
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION

PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE

EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND

REMARKS- DURING AUTOROTATION PLT SAW POWERLINE & ATTEMPTED TO GLIDE OVER IT.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3441	10/4/79 TIME - 1550	MT CRAWFORD,VA	HUGHES 369HS N9076F DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 0 0	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 43, 2997 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - SHENANDOAH VALLEY
DEPARTURE POINT
LURAY CAVERN,VA
INTENDED DESTINATION
MEYERS CAVE,VA
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
AIRFRAME FAILURE IN FLIGHT
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING
MISCELLANEOUS ACTS,CONDITIONS - MISCALCULATED FUEL CONSUMPTION
MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.
FACTOR(S)
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
FIRE AFTER IMPACT
REMARKS- TAIL BOOM SEVERED IN FLIGHT BY MAIN ROTOR BLADES.PLT DECAYED ROTOR RPM TRYING TO STRETCH GLIDE.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2529	1/22/79 TIME - 0800	NR.ABERDEEN,WA	HUGHES 369HS N9256F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL CONSTRUCTION	AIRLINE TRANSPORT, AGE 45, 10202 TOTAL HOURS, 51 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
ABERDEEN,WA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
HARD LANDING
PHASE OF OPERATION
TAKEOFF VERTICAL
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- M/R BLADES HIT TAIL BOOM DRG LNDG.PLT STATED-ACFT LOST PWR AFTER TKOF AT APRX 200FT AGL.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0468	4/3/79 TIME - 0915	CHEHALIS,WA	HILLER UH12D N64867 DAMAGE-MINOR	CR- 0 0 1 PX- 1 0 0	MISCELLANEOUS TEST	AIRLINE TRANSPORT, AGE 49, 11500 TOTAL HOURS, 500 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - SOLOY HELIPAD
DEPARTURE POINT
CHEHALIS,WA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
MISCELLANEOUS
PHASE OF OPERATION
IN FLIGHT AUTOROTATIVE DESCENT

PROBABLE CAUSE(S)
ROTORCRAFT - FLIGHT CONTROL SYSTEMS COLLECTIVE PITCH CONTROL SYSTEM
MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED
FACTOR(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL)
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.
LATERAL CONTROL PROBLEM
PITCH CONTROL PROBLEM
REMARKS- MALF OF COLLECTIVE CONTROL,LINKAGE SEPARATED,PAX FELL FROM HELICOPTER.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1211	5/9/79 TIME - 1450	SPOKANE,WA	HUGHES 369D N8601F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 47, 10040 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - SPOKANE INTL
DEPARTURE POINT
HANSON CO,HELI-PORT
INTENDED DESTINATION
SPOKANE,WA
LAST ENROUTE STOP
SPOKANE,WA
TYPE OF ACCIDENT
ROLL OVER
PHASE OF OPERATION
LANDING POWER-ON LANDING

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
FACTOR(S)
PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS
WEATHER - UNFAVORABLE WIND CONDITIONS
WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED
WEATHER FORECAST - UNKNOWN/NOT REPORTED

SKY CONDITION
UNKNOWN/NOT REPORTED
CEILING AT ACCIDENT SITE
UNKNOWN/NOT REPORTED
VISIBILITY AT ACCIDENT SITE
5 OR OVER(UNLIMITED)
PRECIPITATION AT ACCIDENT SITE
NONE
OBSTRUCTIONS TO VISION AT ACCIDENT SITE
NONE
WIND DIRECTION-DEGREES
295
WIND VELOCITY-KNOTS
12
TYPE OF WEATHER CONDITIONS
VFR
TYPE OF FLIGHT PLAN
NONE
REMARKS- WIND GUSTS TO 15KTS.

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1631	8/15/79 NR.EVERETT.WA TIME - 1930		ZIPPER MM-1 N22007 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL. AGE 54. UNK/NR TOTAL HOURS. 10 IN TYPE. INSTRUMENT RATED.
	DEPARTURE POINT EVERETT.WA		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT STALL SPIN			PHASE OF OPERATION IN FLIGHT OTHER		
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FACTOR(S) MISCELLANEOUS ACTS.CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- SANK IN PUGET SOUND.					
3-2473	8/29/79 OTHELLO.WA TIME - 1108		LEAR JET 23 MAGJ DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	ATP.FLIGHT INSTR.. AGE 28. 4503 TOTAL HOURS. 873 IN TYPE. INSTRUMENT RATED.
	NAME OF AIRPORT - TAGGARES DEPARTURE POINT MONTEREY.CA		INTENDED DESTINATION OTHELLO.WA			
	TYPE OF ACCIDENT COLLIDED WITH OBJECT			PHASE OF OPERATION LANDING ROLL		
	PROBABLE CAUSE(S) DUAL STUDENT - MISJUDGED CLEARANCE PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES.DIRECTIVES.ETC. MISCELLANEOUS ACTS.CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA REMARKS- LND TO LEFT OF RWY.DMGD NOSE GR TRUNNION DURING RET TO RWY.					
3-2474	9/4/79 NR.ARLINGTON.WA TIME - 1445		HILLER FH1100 N377FH DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL. AGE 28. 991 TOTAL HOURS. 69 IN TYPE. INSTRUMENT RATED.
	DEPARTURE POINT ARLINGTON.WA		INTENDED DESTINATION ARLINGTON.WA			
	TYPE OF ACCIDENT COLLIDED WITH TREES			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS.CONDITIONS - JETTISONED LOAD					
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 150 KIND OF CROP - FOREST-TREES PILOT'S SEAT BELT - FAILED ON IMPACT GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - 700			KIND OF OPERATION - SPRAYING TOWNS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - HILLY DENSE WITH TREES		

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3608	10/29/79 TIME - 0900	AMANDA PARK,WA	HILLER ACFT UH-12D N62377 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, AGE 44, 11153 TOTAL HOURS, 1320 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT AMANDA PARK,WA	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR COLLIDED WITH AUTOMOBILE		PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-ON LANDING			
	PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) TERRAIN - OTHER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- TAIL ROTOR CABLE,PN HS1053-1,FAILED,COLLIDED W PICK-UP TRUCK DRG FORCED LNDG IN SMALL OPEN AREA.					
3-2527	10/31/79 TIME - 1018	NR,NEAH BAY,WA	HILLER ACFT UH-12E NA7977 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, FL,INSTR,, AGE 33, 6241 TOTAL HOURS, 2639 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT NEAH BAY,WA	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH OBJECT		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- T/R HIT STUMPS.					

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3298	12/22/79 TIME - 1345	NR.MT.VERNON.WA	HUGHES 369D N8303F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 41, 5040 TOTAL HOURS, 402 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
MT.VERNON.WA
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
PROPELLER/ROTOR FAILURE MAIN ROTOR
HARD LANDING
PHASE OF OPERATION
TAKEOFF VERTICAL
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM SPRAG SYSTEM
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
FACTOR(S)
TERRAIN - HIGH OBSTRUCTIONS
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- TKOF FROM SMALL CLEARING. SPRAG CLUTCH(PN 369A5364)FAILED.

3-1586	7/6/79 TIME - 0945	GARY,WV	BELL 206 N90315 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 32, 2280 TOTAL HOURS, 1520 IN TYPE, NOT INSTRUMENT RATED.

DEPARTURE POINT
GARY,WV
INTENDED DESTINATION
MINE SITE
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
GEAR COLLAPSED
PHASE OF OPERATION
IN FLIGHT NORMAL CRUISE
LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)
POWERPLANT - TURBINE ASSEMBLY BEARING,SHAFT
POWERPLANT - LUBRICATING SYSTEM OTHER
MISCELLANEOUS ACTS,CONDITIONS - PRESSURE TOO LOW
FACTOR(S)
TERRAIN - WET,SOFT GROUND
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND
REMARKS- SKID COLLAPSE DUE TO SIDE LOAD IN MUD AFTER LANDING.#6/#7 BEARINGS FAILED,CARBON IN OIL LINE.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0052	1/15/79 TIME - 0605	WISCONSIN RPDS,WI	SWEARINGEN SA-226 N160MA DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 9	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 33, 5883 TOTAL HOURS, 235 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - ALEXANDRIA FIELD
DEPARTURE POINT: CHICAGO,IL
INTENDED DESTINATION: WISCONSIN RPDS,WI
TYPE OF ACCIDENT
GROUND-WATER LOOP-SWERVE
COLLIDED WITH SNOWBANK
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING ROLL

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER LEVEL OFF
PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND
FACTOR(S)
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES RUNWAY LIGHTING
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW ON RUNWAY
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SNOW WINDROWS
REMARKS- 25 OF 40 RWY LIGHTS NOT OPERATING OR MISSING DUE SNOW PLOW OPERATION.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2477	2/27/79 TIME - 0807	CHEYENNE,WY	DEHAVILLAND DHC-6 N26RM DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 14	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 26, 3742 TOTAL HOURS, 794 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - CHEYENNE MUNI
DEPARTURE POINT: DENVER,CO
INTENDED DESTINATION: RETURN
LAST ENROUTE STOP: CHEYENNE,WY
TYPE OF ACCIDENT
ENGINE FAILURE OR MALFUNCTION
COLLISION WITH GROUND/WATER CONTROLLED
PHASE OF OPERATION
TAKEOFF INITIAL CLIMB
TAKEOFF INITIAL CLIMB

PROBABLE CAUSE(S)
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)
POWERPLANT - TURBINE ASSEMBLY BLADE,TURBINE WHEEL
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE
MISCELLANEOUS ACTS,CONDITIONS - OVERHEATED
MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES
FACTOR(S)
POWERPLANT - PROPELLER SYSTEM CONTROL UNIT,PCV
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE
REMARKS- CREWS ERRONEOUS DETERMN ACFT NOT CAPABLE OF SE FLT,ERRONEOUS ASSESSMENT OF ENG DAMAGE.

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1431	7/1/79 TIME - 0720	LARARGE,WY	HUGHES 369D N8667F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 31, 2374 TOTAL HOURS, 212 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT BIG PINEY,WY		INTENDED DESTINATION KEMMERER,WY			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION EVASIVE MANEUVER			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) POWERPLANT - LUBRICATING SYSTEM LINES,HOSES,FITTING MISCELLANEOUS ACTS,CONDITIONS - OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - CARBON DEPOSITS MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
3-3462	7/20/79 TIME - 1440	NR.ALPINE,WY	AEROSPATIAL S315B N49524 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, AGE 30, 4000 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT ALPINE,WY		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT NOSE OVER/DOWN			PHASE OF OPERATION TAKEOFF VERTICAL		
	PROBABLE CAUSE(S) PILOT IN COMMAND - OPERATED CARELESSLY FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED REMARKS- PLT OPTD RIDGE FORGETTING SLING LOAD STILL ATTACHED,LOAD ANCHORED TO TREES & ACFT PULLED INTO GND.					
3-3697	8/18/79 TIME - 1830	NR.KEMMERER,WY	HUGHES 369D N83FC DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, FL.INSTR., AGE 35, 6600 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT KEMMERER,WY		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3948	12/28/79 TIME - 1600	NR.THERMOPOLIS,WY	BELL 206B N16867 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	AIRLINE TRANSPORT, AGE 32, 7299 TOTAL HOURS, 2500 IN TYPE, INSTRUMENT RATED.

DEPARTURE POINT
THERMOPOLIS,WY
INTENDED DESTINATION
LOCAL
TYPE OF ACCIDENT
COLLIDED WITH OBJECT
ROLL OVER
PHASE OF OPERATION
TAKEOFF VERTICAL
TAKEOFF ABORTED

PROBABLE CAUSE(S)
PILOT IN COMMAND - MISJUDGED CLEARANCE
FACTOR(S)
TERRAIN - HIGH VEGETATION
MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED
REMARKS- RT SKID CAUGHT SAGEBRUSH DURING LIFTOFF,ACFT HAD 600LB EXT LOAD.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3088	11/5/79 TIME - 1703	TAU,AMER SAMOA	DEHAVILLAND DHC-6 N23RC DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 1 15	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 40, 6979 TOTAL HOURS, 1073 IN TYPE, INSTRUMENT RATED.

NAME OF AIRPORT - TAU
DEPARTURE POINT
PAGO PAGO,AMER SAMOA
INTENDED DESTINATION
TAU,AMER SAMOA
TYPE OF ACCIDENT
HARD LANDING
COLLIDED WITH TREES
PHASE OF OPERATION
LANDING LEVEL OFF/TOUCHDOWN
LANDING GO-AROUND

PROBABLE CAUSE(S)
PILOT IN COMMAND - IMPROPER LEVEL OFF
PILOT IN COMMAND - IMPROPER RECOVERY FROM BOUNCED LANDING
FACTOR(S)
COPILOT - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.
REMARKS- COPILOT DID NOT CALL OUT LOW AIRSPEED ON FINAL.

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